

Recensement Census



NCT Report No. 10

EDIT FAILURE AND RESPONSE RATES

RECENSEMENT

96

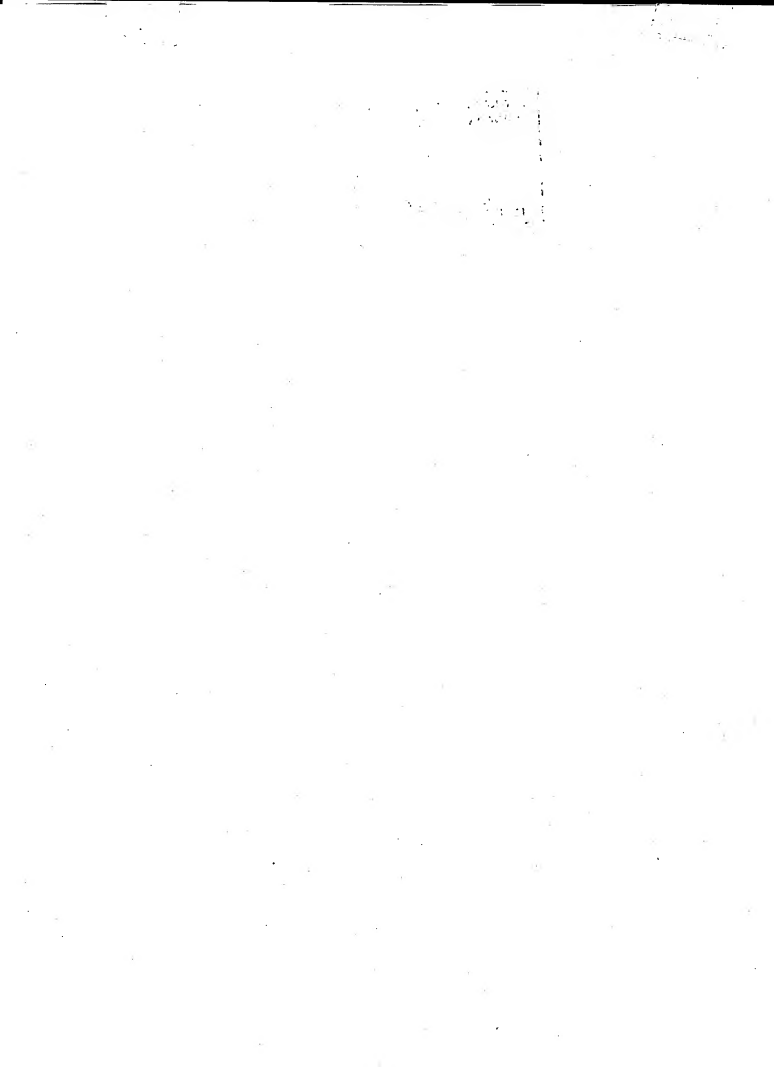
CENSUS

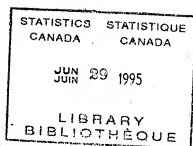


Statistique
Canada

Statistics
Canada

Canada





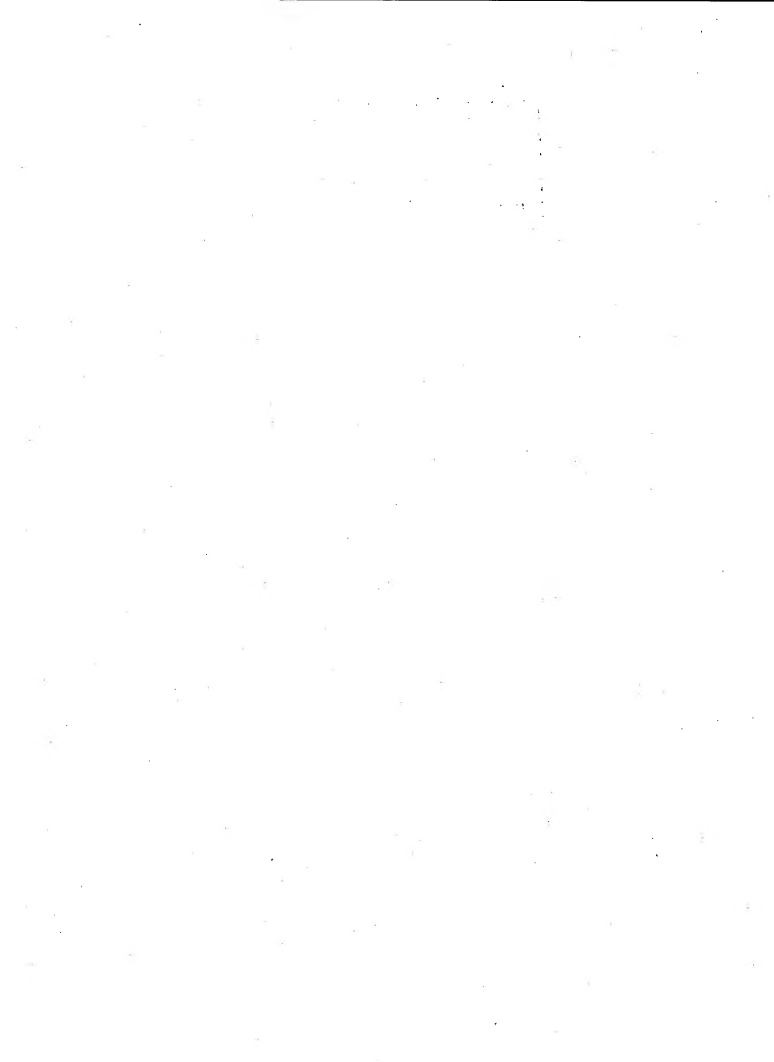
NCT Report No. 10

EDIT FAILURE AND RESPONSE RATES

Matthew Briggs

Social Survey Methods Division

July, 1994



HIGHLIGHTS

- ▶ Overall, before follow-up non-response rates were slightly lower for the EFS than those found in the 1991 Edit Sample Study.
- ▶ Non-response rates were drastically reduced by follow-up. Only a handful of questions had after follow-up non-response rates of more than 4%.
- ▶ 55% of respondent completed questionnaires failed edit using the rule of six. The 1991 Edit Sample Study found a 2B Edit Failure Rate of 87%. If the 1991 mandatory/non-mandatory edit method had been used, the edit failure rate would have been about the same as in 1991.
- ▶ Use of the rule of six instead of 1991 edits for the NCT did not cause a large increase in after follow-up non-response rates.

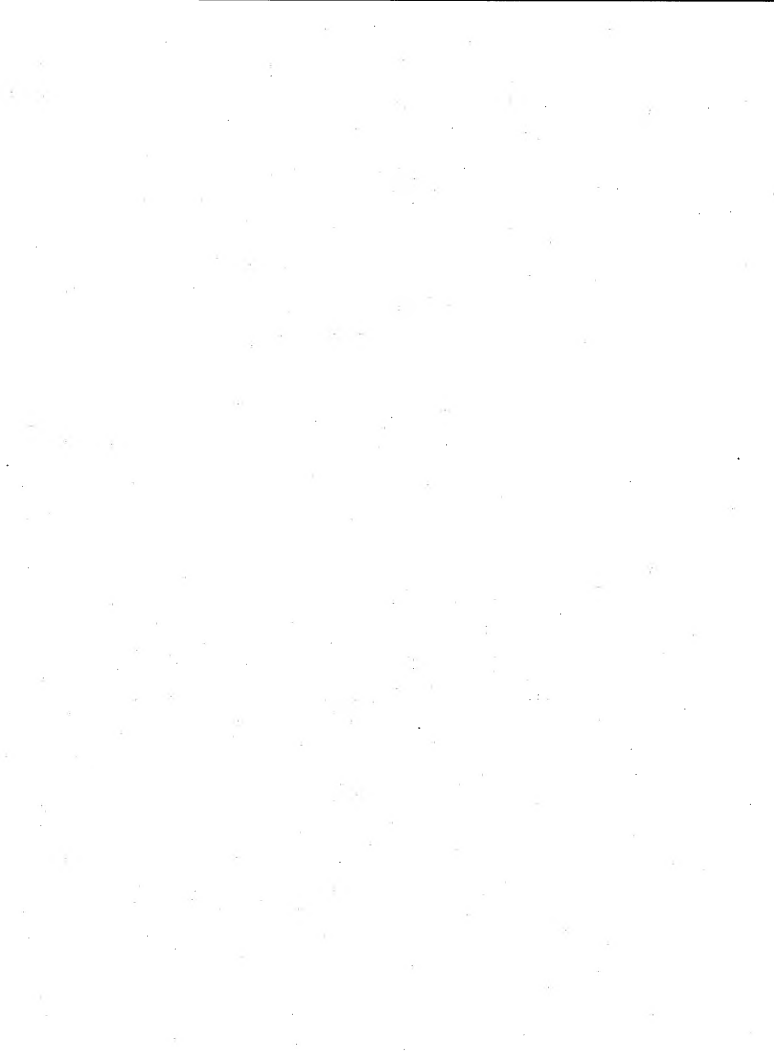


TABLE OF CONTENTS

INTRODUCTION	1
METHODOLOGY	1
RESPONSE RATES	2
- Method	2
- Results	4
- Comparisons with 1991 ESS	8
EVALUATION OF THE RULE OF SIX	9
- Introduction	9
- Results - Follow-Up	10
- Data Quality	15
- Application of Rule of Six by Field Staff	19
Response Rate Tables	Appendix
Bibliography	

INTRODUCTION

The 1993 National Census Test (NCT) was the major field test of proposed questionnaire changes under the 1996 Content Determination Project. The NCT took place in November 1993, and selected households from the ten provinces using a Labour Force Survey (LFS) based sample and twelve special samples consisting of certain ethnic groups residing in large metropolitan centres. Any new questions, or major changes to questions proposed for the 1996 Census were to be tested in the NCT. Although the test involved all aspects of survey and Census taking, its primary goal was to provide subject matter analysts and Census Management with the necessary data to decide whether or not the new or improved questions worked well enough to be considered for inclusion on the 1996 Census questionnaire.

METHODOLOGY

The NCT used two different methods to sample households. Approximately 17,000 households were selected using old rotations of the LFS. The LFS uses a multi-stage stratified sampling technique which keeps travelling costs lower than using a more random sampling method. Also, use of the LFS design provided a sample that was nationally and regionally representative, and allowed use of the LFS weighting system which was already in place. Another 4,000 households were selected as the twelve Special Population Samples. These samples were selected to try to target specific ethnic populations in large cities. Ten of the samples were selected using the 1991 Census database, and two were selected using Métis membership lists. The specific EAs selected for several of the samples that were selected using the Census base were chosen on the advice of the local Regional Office. The remainder were chosen by pinpointing EAs with a high concentration of the desired ethnic group.

The NCT had an Edit Failure Study (EFS) based on the same idea as the Edit Sample Study (ESS) carried out for the 1991 Census, and the Response Rate Sample Study (RRSS) carried out for the 1988 NCT. The EFS involved data capture of a sample of questionnaires immediately

after mailback (to the regional office) by the respondent. This provides a database of respondent answers before edit and follow-up have been attempted, and before the interviewer has in any way altered the questionnaire data. One half of the questionnaires from the LFS based sample had specially marked labels which designated them for capture as a part of the EFS if they were returned to the RO by November 30th. These questionnaires were then separated from the unmarked questionnaires, sent to data capture, and then returned to the regular flow of the NCT questionnaires which were being sorted into interviewer assignments and then sent to the interviewers for edit and follow-up. The EFS differed from the ESS in that questionnaires were captured in the ROs, as opposed to photocopies of questionnaires being captured in Ottawa. The EFS differed from the RRSS because no follow-up was done for RRSS questionnaires, the questionnaires were simply mailed back to Ottawa and captured.

RESPONSE RATES

Method

As done for the 1991 ESS, item response rates were calculated for each question on a completed questionnaire. Records that were entirely blank were excluded from the database on which the response rates were calculated. This meant that Out of Scope, Refusal, and Non-Contact households, as well as Temporary Resident and Foreign Resident households were not considered in the calculation of response rates. These rates were calculated for Subject Matter analysts to provide them with an indicator of how well their questions worked. For each step and question on the questionnaire, the non-response rate was calculated, along with the multiple response rate (if applicable) and/or the partial response rate (if applicable). Response rates were also calculated based on many different sets of data. Response rates were calculated based on:

EFS data (Before Follow-up)

LFS data

LFS data (Weighted)

Each of 12 Special Population Samples:

Blacks in Halifax, Montréal and Toronto

Asians in Montréal, Toronto, and Vancouver

Latin Americans in Montreal

Aboriginals in Winnipeg, Regina, and Edmonton

Métis in Winnipeg and Saskatoon

Response rates were calculated for each step/question based on the number of persons/households that were supposed to answer that question (number of records in scope). Unfortunately, when a filter question for a skip pattern is not answered, or is answered in an ambiguous fashion, it is impossible to determine whether or not a given record is in scope for a subsequent question. This is because the question might have been legitimately skipped by the respondent. There are two different methods of determining whether or not a record is in scope for a question when there is ambiguity caused by an improperly answered filter question. The **Definite** method assumes that a record is out of scope unless it is clearly in scope. The **Potential** method assumes that a record is in scope unless it is clearly out of scope. In practice, the Definite method provides a lower bound and the Potential method provides an upper bound on the actual non-response rate for a question. For questions not designed to be skipped on the questionnaire, only one set of response rates was provided, while for the remaining questions, Definite and Potential rates were provided. The specifications of how the response rates were to be calculated were sent out for approval by Subject Matter areas, and corrections were received and incorporated. Response rate tables are included in Appendix A. The following sections present highlights of the results for each set of response rate tables.

Results

EFS Subsample - Definite Method

These rates are the most interesting for the purpose of the NCT because they allow insight into the amount of difficulty the actual respondents encountered when answering each question. Non-response rates were relatively high for the coverage steps and household questions (7.8%-18.6%), although for the Steps, the non-response rates were not higher than usual. Some of this non-response is due to capture problems, when household information was captured for persons other than person 1 on the questionnaire. This was found to be a common problem (for the EFS data only) for capture of Q47-Q49 data in Montréal. Question 2, Relationship to Person One, had an extremely high non-response rate (21.5%). This was found to be mostly due to the circle not being checked for Person 1. To take this into account, a response rate was then calculated that only considered persons with person numbers greater than one (3.0%). The remodelled question on Ethnic Origin also had a non-response rate that was relatively high (12.3%), but not unusual for this question. Many of the traditional trends concerning non-response rates held true for the EFS data. Questions with multiple parts had higher non-response rates for the latter parts. Non-response rates were generally higher the closer one gets to the end of the questionnaire. Non-response rates were highest for the Income question (23.6%-33.1%). At the request of the Labour area, 'derived' response rates were created for Industry and Occupation. Multiple response rates were high for Q9 (Language), Q16 (Ethnic Origin), Q25 (Degrees Obtained), and Q47 (Who Pays).

EFS Subsample - Potential Method

As expected, the potential response rates are considerably higher than the definite response rates. Many of the questions that were to be skipped by most respondents suffered greatly because of it when their potential response rates were calculated. These questions were most affected by the inclusion of largely blank records as in scope for the question. Most of the non-response

rates were near 20%. The questions with the highest non-response rates were Year of Immigration (43.8%), Start Job (53.2%), and Self Employed/Incorporated (63.0%).

Weighted vs Unweighted Response Rates (LFS Sample)

It was left up to each Subject Matter area as to whether they would use weighted or unweighted response rates. For the large majority of questions, the difference between the rates is minimal. There are a few questions with significant differences. The differences seem to occur for questions with few respondents. Using the definite method, Q15 (Year of Immigration) went from 2.1% unweighted to 1.3% weighted and Q32 (Start Job) went from 1.5% unweighted to 2.1% weighted. As well, the non-response rates for some parts of Q46 (Income) were considerably higher using unweighted counts. Using the Potential method, the same trends occurred for Q15 and Q32.

LFS Sample - Definite Method

The first thing that stands out about the LFS non-response rates is that they are considerably lower than the non-response rates from before follow-up. Well over half of the questions had an after follow-up non-response rate of less than 2%. Aside from the Income question, there are only a handful of questions with non-response rates of more than 4% (Q16, Q35, Q36, Q38, Q40, and Q42). Question 2 has a non-response rate of 10.1% when the person 1 column is considered. This becomes only 1.6% when the person 1 column is excluded. A response rate was calculated for Question 6 (Common-Law Status) which considered only respondents aged 15 and over, although the non-response rate for this population did not differ much from the non-response rate of the entire sample. Before follow-up, Q46k, Total Income, had the highest non-response rate on the questionnaire. After follow-up, the non-response rate for Q46k is noticeably lower than those of the other parts of Q46. This likely has to do with the special edit rule for Q46. The non-response rates for the household questions and steps were reduced more

drastically than the person level questions, although some of this was due to correction of the capture/file problems mentioned earlier. Multiple response rates were high for Q9 (19.2%), Q16 (34.8%), Q25 (24.4%), Q47 (35.7%), and Q49 (17.7%). All other questions had multiple response rates of 1.5% or lower.

LFS Sample - Potential Method

The potential non-response rates are also considerably lower than those from before follow-up. Most of the potential non-response rates are now under 10%. As observed for the potential non-response rates from before follow-up, the questions with the fewest number of in scope respondent records have the highest potential non-response rates. This is again because these questions are most affected by the addition of records with unanswered filter questions to the number of in scope records. The affected questions and potential non-response rates are: Q15 (17.2%), Q32 (18.6%), and Q40 (33.2%).

Special Population Samples - Definite Method

Before making conclusions about response patterns of specific ethnic populations based on these response rates, it should be mentioned that the response rates are based on all of the responses given for each sample, not merely on the respondents that are a part of the ethnic group that was targeted by that sample. From examining NCT responses to the questions on Race and Aboriginal Status, it was found that some of the samples did not contain many persons in the desired ethnic group. In particular, the target success rates for the samples Aboriginals in Edmonton, Aboriginals in Winnipeg, Latin Americans in Montréal, and Blacks in Montréal were extremely poor.

Definite response rate tables were created for each of the twelve Special Population Samples. Because a detailed discussion of results for each of the samples would be too lengthy, only

trends and results that stand out and/or differ from the LFS sample results will be listed. Particular attention will be paid to the potentially ethnicity related questions that would most likely be affected by the makeup of the samples (Q9-Q19).

Blacks in Halifax - High non-response for Q14.. High multiple response for Q16, Q47.

Asians in Montréal - High non-response for Q14. High multiple response for Q9, Q41.

Blacks in Montréal - High non-response for Q15. Low non-response for Q46. High multiple response for Q9, Q10, Q11, Q41. Low multiple response for Q16, Q25, Q49.

Latin Americans in Montréal - High non-response for Q14. Low non-response for Q46. High multiple response for Q9, Q10, Q11. Low multiple response for Q16, Q49.

Asians in Toronto - High non-response for Q14, Q41, Q46. Low non-response for Q16. High multiple response for Q9, Q18. Low multiple response for Q16, Q47, Q49.

Blacks in Toronto - High non-response for Q9-Q14. High multiple response for Q9, Q13, Q18.
Low multiple response for Q16.

Aboriginals in Winnipeg - High multiple response for Q9. High partial response for Q19.

Métis in Winnipeg - High non-response for Q13, Q18, Q46a-j. Low non-response for Q17, Q46k. High multiple response for Q16. High partial response for Q19.

Aboriginals in Regina - High non-response for Q14, Q15. High partial response for Q19.

Métis in Saskatoon - High non-response for Q17, Q18, Q19. High multiple response for Q16, Q18. Low multiple response for Q9. High partial response for Q19. Only one immigrant response.

Aboriginals in Edmonton - High non-response for Q13, Q14, Q17, Q19. High partial response for Q19.

Asians in Vancouver - High non-response for Q9, Q13, Q14. High multiple response for Q9, Q10, Q11, Q18. Low multiple response for Q16.

Special Population Samples - Potential Method

There are few new trends apparent in these tables that have not appeared in other tables. The potential non-response rates are low for the Blacks in Montréal sample, high for the Asians in Vancouver sample, and very high for the Blacks in Toronto sample. Throughout, the potential non-response rates are high for the questions with few in scope records (Q15, Q24, Q32, Q40).

Comparison with 1991 ESS

The 1991 ESS found before follow-up non-response rates for respondent completed questionnaires. Although there are differences between the Census and NCT and the ESS and EFS, some comparison will be made that will only show the major differences in non-response rates. Overall, the non-response rates are slightly lower for the EFS than for the ESS. The EFS had higher non-response rates for Q2, but when Person 1 is excluded, the rate is lower than for the ESS. The EFS non-response rates are higher for Q25, Q34, Q35, Q37, Q38, Q39, Q42, Q44, Q46a, and Q46k. All the non-response rates for these questions increased by roughly 4%-5%. Among questions that had much lower non-response rates for the EFS were Q7b, Q7c (down 10%), Q9 (down 6%), Q14 (down 7%), Q20 (down 9%), Q33 (down 7%), and Step 3 (down 9%).

EVALUATION OF THE RULE OF SIX

Introduction

For the 1991 Census, each question on the 2B questionnaire was to be edited by the Census Representative after mailback by the respondent. Whether the questionnaire passed or failed edit (and thus, whether or not follow-up was attempted), was based on a set of edit rules. Each question on the questionnaire was designated as either mandatory or non-mandatory (on the 1991 Census 2B questionnaire, approximately one half of the questions were mandatory). If a mandatory question was not answered correctly, the questionnaire failed edit automatically, and all the questions that were not answered correctly were to be followed-up. If no mandatory questions were answered incorrectly, the questionnaire then failed edit if six or more of the remaining (non-mandatory) questions were not answered correctly. The 1991 Edit Sample Study (ESS) used a simulation of these field edits to estimate that before follow-up, 87.2% of 2B questionnaires failed edit. After follow-up (follow-up was not necessarily done, or correctly done, on any given questionnaire), the 2B questionnaire edit failure rate (EFR) was estimated to be still 69.3%. It should be mentioned here that in 1991, as well as for the National Census Test (NCT), there are some edits that cannot be simulated because the necessary information was not captured. As an example, a questionnaire fails edit if there are more people listed in Step 2 (the household roster) than in Question 1. Because information from the roster is not captured, this edit cannot be simulated. As well, the ESS frame only included questionnaires that were mailed back relatively shortly after Census day. In this way, the ESS has a frame similar to that of the Edit Failure Study (EFS) of the NCT. Thus, although the difference is likely very small, the actual edit failure rates for the Census and the NCT are slightly higher than estimated by simulation.

The 1993 NCT has implemented a different method of questionnaire edit. The new method is known as the "rule of six": if six or more questions are not answered correctly, then the questionnaire fails edit, and follow-up should be attempted. There are still a few exceptions to this rule (Steps 2-6) that could require mandatory follow-up. All the exceptions pertain to cases

where there is doubt about the number of usual residents of the household, which could cause a change in the number of persons on the questionnaire, and thus cause a large number of non-responses for a missed person.

There are three major questions about how the rule of six worked in the NCT that will be examined:

1. How did the "rule" affect data quality?
2. How did the "rule" affect the amount of follow-up that should have been done?
3. How was the "rule" applied by field staff?

The Edit Failure Study selected a one half sample of the LFS portion of the NCT. Of these households, the households that mailed back their questionnaires before November 30 were included in the EFS. The EFS sample excludes questionnaire data that were obtained through follow-up by interviewers. Thus, the data reflect the answers of the respondents themselves, not the information obtained through interviews.

Results

Follow-Up

The edit failure rates found for the NCT EFS should not be expected to be the same as those for the ESS. Firstly, there are differences between the surveys and samples themselves: The NCT used many trained LFS interviewers, whereas the Census used mostly interviewers with little training. The ESS captured only questionnaires that were mailed back within a week of Census day; the EFS captured questionnaires that were mailed back up to three weeks after NCT day. It is usually expected that the EFRs are lower for questionnaires that are promptly mailed back. The Census has more publicity than the NCT. Secondly, there are the differences between the questionnaires. There were several new questions on the NCT questionnaire (Q9,

Q17, Q18, Q24, Q26, Q27, Q36, Q41, Q43), and there were several questions on the Census 2B that were not on the NCT questionnaire (Religion, Fertility, several Education questions, and several Household questions). As well, there were many Census questions that were slightly modified or totally redesigned for the NCT. Thus, the EFRs for the EFS are not necessarily supposed to mirror those of the Census.

Several different edit rules and permutations of data were used in the simulation of Edit Failure Rates. Unless mentioned otherwise, EFRs refer to edit using the rule of six. The results mentioned here are listed in Table A, which shows the EFR using the rules of 5, 6, 7, and 8. Table A also shows the amount of edit failure caused by mandatory steps. Simulation of edit by the rule of six on before follow-up (EFS) data yielded an EFR of 55.0%. Thus, potentially 55.0% of the questionnaires mailed back to the Regional Offices by respondents failed edit and subsequently should have had follow-up attempted. 2.7% of the questionnaires failed edit because of the "mandatory" steps. Question 2 had a high non-response rate before follow-up because of the check circle being left blank for Person 1. It is likely that the circle will, as in the Census, be pre-checked for Person 1 in 1996, so it was decided to determine what the EFR would have been if the circle had been pre-checked for the NCT. If Q2 is assumed to pass edit for all Person 1s, then the rule of six EFR drops to 53.0%. Another issue that has a large effect on the EFR is whether the edit of Q46 considers the question to be a single entity (and therefore contribute no more than one edit failure per person to the rule of six), or as eleven separate parts (in which case, Q46 could cause eleven edit failures per person). Unless otherwise indicated, Q46 has been considered as separate parts for the calculation of EFRs. However, the special edit rule for Q46 in the Interviewer's Manual (NCT-40) does not clearly indicate which case should apply. For the rates listed thus far, Q46 has been considered as separate parts. If Q46 is considered as a single edit pass or failure, and Q2 is still considered answered for all Person 1s, then the EFR drops from 53.0% to 45.1%. For the simulation of the rule of six using the ESS, Q2 had the Person 1 circle pre-checked, and Q46 was considered as one question, so the EFR of 45.1% is the corresponding rate to the 60.4% figure found using ESS data.

Table A
Edit Failure Rates

Data Edited and Questions Modified	Rule of 5 (%)	Rule of 6 (%)	Rule of 7 (%)	Rule of 8 (%)	Mandatory (%)
EFS	59.2	55.0	51.7	49.3	2.7
EFS (Q2)	56.8	53.0	50.3	47.8	2.7
EFS (Q2,Q46)	50.1	45.1	41.6	38.5	2.7
EFS, 91 Edit	86.6	86.4	86.2	86.2	86.1
EFS, 91 Edit (Q2)	78.5	78.2	78.0	77.9	77.8
NCT	23.3	20.0	17.6	16.0	1.0
NCT (Q2)	22.0	19.1	16.9	15.6	1.0
NCT (Q2,Q46)	16.2	13.1	10.9	9.8	1.0
EFS After Follow-Up	25.6	22.1	19.4	17.7	1.8
EFS After Follow-Up (Q2)	24.1	20.9	18.7	17.2	1.8
EFS After Follow-Up (Q2,Q46)	18.3	14.9	12.8	11.5	1.8
EFS After Follow-Up, 91 Edit	66.1	65.8	65.5	65.4	65.4
EFS After Follow-Up, 91 Edit (Q2)	54.2	54.0	53.6	53.5	53.4

Table B
2A Edit Failure Rates

Data Edited and Questions Modified	Rule of 1 (%)	Rule of 2 (%)	Rule of 3 (%)	Rule of 4 (%)
EFS 2A	73.6	40.4	25.3	15.1
EFS 2A (Q2)	49.9	33.0	19.4	13.5

The EFRs mentioned above were based on before follow-up EFS data. Simulation of edit, with the same modifications as mentioned above, was also performed on the NCT data as a whole (LFS based sample only, after follow-up), and on after follow-up data for the same households that were included in the EFS. Simulated edit using the rule of six on NCT data calculated an EFR of 20.0%. Modification of the edit of Q2 caused the EFR to drop to 19.1%, and further modification of the edit of Q46 caused the EFR to drop to 13.1%. Using the NCT data, 1.0% of the EFR was due to the mandatory steps. Simulating edit of after follow-up EFS data, the EFRs were 22.1% (unaltered), 20.9% (Q2 edit modified), and 14.9% (Q2 and Q46 edits modified). 1.8% of the EFRs for after follow-up EFS data was due to the mandatory steps.

To evaluate the effectiveness of the rule of six, it is necessary to compare what edit results happened using the rule of six vs what would have happened using the 1991 mandatory/non-mandatory edits. Thus, a simulation of the 1991 method of mandatory and non-mandatory steps and questions was performed. By editing before follow-up EFS data using the 1991 edit rules, and EFR of 86.4% is found. All but 0.2% of the edit failures were due to mandatory steps and questions. As above, the edits were modified for Q2 to eliminate Q2 failing edit for Person 1 (Q2 could not have failed edit for Person 1 on the 1991 Questionnaire). This caused the EFR to drop to 78.2%, of which all but 0.4% was due to mandatory steps and questions. 78.2% corresponds to the 87.2% EFR found for the 1991 Census 2B in the ESS. The 1991 edits were also simulated on the after follow-up data for EFS households. This yielded an EFR of 65.8% (all but 0.4% mandatory) with the edit as is, and an EFR of 54.0% (all but 0.6% mandatory) with the edit for Q2 modified. No changes were made here to the edit of Q46 because Q46 was mandatory if it was totally blank, and had no effect on edit failure of the questionnaire otherwise.

The NCT only tested a 2B type questionnaire, so to estimate what the EFR using a "rule of X" technique would have been for a 2A Questionnaire, the NCT questionnaire was truncated such that only steps and questions corresponding to those that appeared on the 1991 Census 2A were considered. Simulation of the rule of two on before follow-up data produced a 40.4% EFR. With the edit for Q2 modified (as it was in 1991), the EFR dropped to 33.0%. These EFRs are

listed in Table B. The corresponding figure found using ESS data on 1991 Census 2B questionnaires is 25.5%. Even with the edit for Q2 modified, there is a large difference between the figures for the EFS and the ESS. This is because of the EFS/ESS differences mentioned above, and because in the simulation using ESS data, all of the steps and questions were considered non-mandatory, whereas for the EFS, the mandatory steps are still considered mandatory. Also, simulation using a truncated long form would be expected to find a higher EFR than simulation using a legitimate short form. In studying Table B, it is obvious that any movement of the edit threshold (shown for 1-4) causes a significant change in the estimated 2A EFR.

Much of the analysis plans for the rule of six were based on Interviewer Control Sheet information. Listed on the control sheet are, for each household, whether or not the questionnaire was received from the Regional Office (and thus, mailed back by the respondent), whether or not the interviewer passed or failed the questionnaire, and whether or not follow-up was attempted or completed. Unfortunately, a significant portion of the control sheet information was missing. The indicator of the result of interviewer edit was available for roughly one half of the households. Using only the result of edit and "mailed back" columns of the control sheets, an EFR of 40.1% is found for respondent completed questionnaires. However, by also using the column that indicated follow-up was attempted (there were many instances of the follow-up columns being completed when the edit column was blank), and assuming that for "mailed back" households, follow-up was only attempted for failed edit households, an EFR of 54.6% is found.

By the results of EFR simulation listed in Table A, it can be seen that, potentially, the rule of six caused a 31% reduction in the edit failure rate (55% vs 86%) compared with the mandatory/non-mandatory method of edit. This could represent a large reduction of follow-up for the 1996 Census. It was observed from control list information that follow-up actually did occur for some questionnaires that passed edit (interviewer or simulated edit), and that some questionnaires failed simulated edit, but passed interviewer edit. Because the control list shows that there were occurrences of interviewers following-up for households that passed edit (the

interviewer marked them as passed on the Control list), it is possible that the reduction of follow-up was lower than 31%. The mandatory steps have a relatively small effect on the amount of follow-up done for edit using the rule of six. However, when the mandatory/non-mandatory 1991 edits are used, almost all of the edit failure is due to mandatory steps and questions. It can be seen from Table A that considering Q46 as a single edit failure would have a considerable effect on the EFR using the rule of six. Movement of the edit threshold that considers the rules of 5, 6, 7, and 8 have a relatively small effect on the EFR. Comparison of the EFR of the NCT and the after follow-up NCT data shows that there little bias of the EFS sample, and that the EFR for interviewer completed questionnaires is comparable to that of respondent completed questionnaires.

Data Quality

A major concern about the implementation of the rule of six is that a relaxation of the edit rules would have an adverse effect on incoming data quality because less follow-up was done, and after follow-up non-response rates would be higher than if the 1991 edit method had been used. To address this concern, a simulation was performed that attempted to compare after follow-up non-response rates using the rule of six and the 1991 edit rules. This would give, for each question, the amount of non-response attributable to the rule of six being used instead of the 1991 edit rules. This was done by examining the edit simulation and response rate data to find households that passed edit using the rule of six, but would have failed edit using the mandatory/non-mandatory edits. For these households, two different methods were used to determine what the difference in after follow-up non-response rates would be. The first method makes the assumptions that 1) Interviewer edit achieved the same result for each household as simulated edit; and 2) Follow-up of failed edit questionnaires was always successful, and all missing information was obtained. Although these assumptions are somewhat idealistic, they do allow for calculation of the maximum difference in after follow-up non-response rates that could be caused by the rule of six, and they discount factors related to the difference between NCT and Census interviewers which can colour the results. The second method excludes the

assumptions and attempts to model what actually occurred in the field. This involved, for each question, finding how often a non-response on a failed edit questionnaire was successfully followed-up. Ideally, it would have been desirable to use the actual interviewer edit from the control list to determine edit failure for this model. Unfortunately, much of this data was missing, so the simulated edit was used. The proportion of unsuccessful follow-up was calculated as follows: Each questionnaire was edited using before follow-up data. This information was linked with the non-response rates for each question from before and after follow-up. Then, the rate of unsuccessful follow-up for each question was considered to be the number of non-responses after follow-up divided by the number of non-responses before follow-up, for failed edit households. This rate was used to estimate the after follow-up non-response rates for edit using the rule of six, and for mandatory and non-mandatory questions using the 1991 edits.

Table C shows the estimated increase in after follow-up non-response rates due to the use of the rule of six instead of 1991 edits. It shows the difference calculated with and without the assumptions about perfect edit and follow-up (with the assumptions provides a maximum difference). For these calculations, Q46 was considered as eleven part questions. It should be noted that because some passed edit questionnaires were followed-up, the difference between what actually occurred in the NCT and what is simulated for 1991 edits may be even less than indicated in the table. The largest difference shown in the Table is for Q2. This is again due to the check circle for Person 1. If Q2 is made to pass edit for Person 1, then the difference in the after follow-up non-response rate for Q2 is reduced to 0.2% or less, depending on the assumptions. (Note that all of the other rates would then increase slightly as more questionnaires would have passed edit).

It can be seen from Table C that after the modification for Q2, the differences in after follow-up non-response rates are, for most if not all questions, insignificant, and that the implementation of the rule of six seems to have had a minimal effect on the level of incoming data quality. The actual after follow-up non-response rates that these differences should be viewed against are in the Appendix (Table 3 should be used for questions that cannot be skipped, Table 4 for questions

Table C

Difference in After Follow-Up Non-Response Rates

Due to Use of the Rule of Six

Question	Difference in After Follow-Up Non-Response Rate - With Assumptions	Difference in After Follow-Up Non-Response Rate - Without Assumptions
Q2	6.9	3.2
Q3	0.1	0.5
Q4	0.1	0.1
Q5	1.3	0.2
Q6	0.8	0.5
Q7A	0.3	0.1
Q7B	6.9	3.2
Q7C	1.3	0.7
Q8	0.3	0.2
Q9	0.2	0.1
Q10	0.1	0.1
Q11	0.1	0.5
Q12	0.3	0.1
Q13	0.1	0.1
Q14	0.1	0.1
Q15	1.8	1.3
Q16	0.2	0.1
Q17	0.2	0.2
Q18	0.1	0.1
Q19	0.1	0.1
Q20	0.2	0.1
Q21	0.2	0.2
Q22	0.0	0.0
Q23	0.0	0.0
Q24	1.0	0.7
Q25	0.4	0.2

Q26A	0.1	0.1
Q26B	0.2	0.2
Q26C	0.1	0.0
Q26D	0.5	0.4
Q27	0.1	0.1
Q28	0.2	0.1
Q29	0.7	0.6
Q30	0.1	0.0
Q31	0.9	0.7
Q32	1.2	1.0
Q33	0.1	0.1
Q34	0.3	0.2
Q35	0.4	0.3
Q36	1.0	0.7
Q37	0.2	0.2
Q38	0.8	0.6
Q39	0.2	0.1
Q40	1.0	0.7
Q41	0.4	0.3
Q42	0.3	0.3
Q43	0.1	0.1
Q44	0.2	0.1
Q45	0.3	0.2
Q46A	1.3	0.6
Q46B	3.0	1.4
Q46C	2.9	1.4
Q46D	2.4	1.2
Q46E	2.5	1.2
Q46F	2.6	1.3
Q46G	2.7	1.4
Q46H	2.3	1.1
Q46I	3.0	1.5
Q46J	3.3	1.6
Q46K	1.6	1.0

that can be skipped). The decision on whether or not this amount of increase in non-response is a problem or not rests with the subject matter areas concerned. The distribution in Graph 1 shows a significant decline in the number of edit failures after follow-up. The EFRs found in the 1991 ESS were 87% before follow-up, and 69% after follow-up. The corresponding figures for the EFS, using the 1991 edits, but keeping in mind that the rule of six was actually used, show an EFR of 86% before follow-up and 66% after follow-up. This suggests that in the field, the rule of six caused the same type of decrease in the EFR that the 1991 edits did for the ESS. Another reflection of the effect that the rule of six had on data quality is the distribution of number of edit failures per questionnaire, from before and after follow-up. These figures are shown in Graphs 1 and 2, which have been separated to allow different scaling.

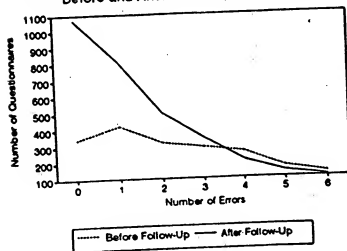
Application of the Rule of Six by Field Staff

As mentioned above, as have likely occurred in the past, there were some irregularities about the use of the edit rules in the field. Not only are there significant differences between the results of edit by simulation and edit by interviewer, there was also a significant amount of follow-up done for questionnaires that passed edit by the interviewer.

Information obtained from the interviewer debriefing sessions indicates that most of the interviewers found the principle of the rule of six itself easy to apply. The few negative comments about the edit procedure were mostly directed at factors other than the rule of six itself. For example, some complained that the edit was unclear for Q2, Q42, and Q46, that the manuals were unclear for some specific situations, or that the concept of mandatory steps was confusing. These problems are either procedural, or are just as much a problem using the 1991 edit method.

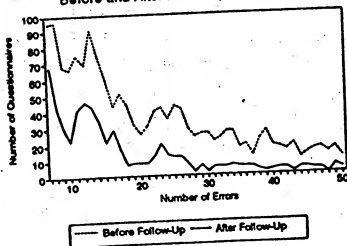
GRAPH 1

Distribution of # of Errors per HHL
Before and After Follow-Up (0-6 Errors)



GRAPH 2

Distribution of # of Errors per HHL
Before and After Follow-Up (>6 Errors)



APPENDIX

NOTES on Tables 1 - 30

Each table lists a set of response rates which includes % of non-response, % of multiple response, % of partial response, and (for tables 1-4) % single response. The denominator for the calculation of the response rates for each question is also listed (# of in scope records). Definite method tables are broken up into Household level questions and Person level questions. Multiple response may be valid or invalid. Multiple responses are invalid for Steps 3, 5, and 7; and Questions 2, 4, 5, 6, 7, 8, 19, 20, 21, 22, 23, 28, 29, 39, 42, 43, and 48. If there were no responses for a given cell, the cell was left blank. If there was any response, a percentage was entered in the cell, even if the percentage was 0.0%. In some tables, there are two rates listed for Q2. The second rate was calculated only on respondents with a person number greater than 1. For some tables, a response rate was calculated for Q6 that considered only respondents aged 15 and over. Response rates for the 'derived' variables Industry (combining Q34, Q35) and Occupation (combining Q37, Q38) were produced and included at the request of the Labour Subject Matter area. The tables listing potential response rates include only questions that could legitimately have been skipped. Questions that could not be skipped had only one set of rates and were included in the Definite tables. The difference between Definite and Potential is explained in the text.

The tables included in the Appendix are:

Table 1	EFS Definite	Table 16	Saskatoon Métis Definite
Table 2	EFS Potential	Table 17	Edmonton Aboriginal Definite
Table 3	LFS Definite Unwgt'd.	Table 18	Vancouver Asian Definite
Table 4	LFS Potential Unwgt'd.	Table 19	Halifax Black Potential
Table 5	LFS Definite Wgt'd.	Table 20	Montréal Asian Potential
Table 6	LFS Potential Wgt'd.	Table 21	Montréal Black Potential
Table 7	Halifax Black Definite	Table 22	Montréal Latin American Potential
Table 8	Montréal Asian Definite	Table 23	Toronto Asian Potential
Table 9	Montréal Black Definite	Table 24	Toronto Black Potential
Table 10	Montréal Latin American Definite	Table 25	Winnipeg Aboriginal Potential
Table 11	Toronto Asian Definite	Table 26	Winnipeg Métis Potential
Table 12	Toronto Black Definite	Table 27	Regina Aboriginal Potential
Table 13	Winnipeg Aboriginal Definite	Table 28	Saskatoon Métis Potential
Table 14	Winnipeg Métis Definite	Table 29	Edmonton Aboriginal Potential
Table 15	Regina Aboriginal Definite	Table 30	Vancouver Asian Potential

Table 1
EFS Item Response Rates
Definite Method

Step / Question Number	Step / Question Name	In Scope (# Records)	Single Response (%)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions						
DType	Dwelling Type	3813	91.1	8.9		
Step 3	Persons Left Out	3813	85.0	15.0		
Step 5	Temporary Residents	3813	88.7	11.1	0.1	
Step 7	Agricultural Operator	3813	92.2	7.8		
Q47	Who Pays	3813	52.0	18.3	29.7	
Q48	Tenure	3813	81.3	18.6	0.1	
Q49	Who Completed	3813	65.7	18.6	15.6	
Person Level Questions						
Q2	Relationship to Person 1	9995	78.1	21.5	0.4	
Q2	R2P1 (Person 2 Onwards)	6182	96.4	3.0	0.6	
Q3	Date of Birth	9995	97.6	2.1		0.2
Q4	Sex	9995	97.6	2.3	0.0	
Q5	Marital Status	9995	95.3	4.7	0.1	
Q6	Common-Law Status	9995	89.9	10.1	0.0	
Q7(a)	Activity Limitation - Home	9995	94.6	5.4	0.0	
Q7(b)	Activity Limitation - Work	9995	88.0	11.6	0.4	
Q7(c)	Activity Limitation - Other	9995	88.6	11.4		
Q8	Long Term Disabilities	9995	93.5	6.5		
Q9	Language	9995	78.1	3.6	18.3	
Q10	Home Language	9995	95.2	3.5	1.3	
Q11	Mother Tongue	9995	94.8	3.9	1.3	
Q12	Place of Birth	9995	97.0	3.0	0.1	
Q13	Citizenship	9995	94.9	3.8	1.3	
Q14	Landed Immigrant	9995	93.6	6.4		
Q15	Year of Immigration	806	97.0	3.0		
Q16	Ethnic Origin	9995	55.2	12.3	32.4	
Q17	Aboriginal	9995	94.1	5.8	0.1	
Q18	Race	9285	97.6	1.7	0.7	
Q19	Indian Band	9995	93.4	6.2	0.0	0.4
Q20	Registered Indian	9995	93.0	7.0		
Q21	Mobility Status - 1 Year	8039	94.3	3.9	0.2	1.7
Q22	Mobility Status - 5 Year	8039	92.0	3.6	0.1	4.3
Q23	School Attendance	8039	95.4	4.5	0.1	
Q24	School Language	1099	96.3	2.7	1.0	
Q25	Degrees Obtained	8039	67.7	8.2	24.2	

Q26(a)	Unpaid Work - Housework	8039	94.3	5.4	0.3	
Q26(b)	Unpaid Work - Childcare	8039	91.6	8.2	0.2	
Q26(c)	Unpaid Work - Care/Seniors	8039	92.6	7.3	0.1	
Q26(d)	Unpaid Work - Care/Others	8039	90.0	9.9	0.1	
Q27	Unpaid Volunteer Work	8039	93.5	6.4	0.1	
Q28	Hours Worked	8039	92.0	6.9	1.1	
Q29	Layoff	3307	90.7	9.3	0.0	
Q30	New Job	3307	93.8	6.2		
Q31	Look for Work	3307	90.7	8.8	0.5	
Q32	Start Job	417	97.1	2.6	0.2	
Q33	Last Worked	3307	88.0	11.4	0.6	
Q34	Employer	5239	89.3	9.6		1.1
Q35	Type of Business	5239	87.0	13.0		
	Industry	5239	86.4	9.0		4.7
Q36	General Industry	5239	82.9	16.0	1.2	
Q37	Kind of Work	5239	87.9	12.1		
Q38	Most Important Duties	5239	81.0	19.0		
	Occupation	5239	80.7	11.8		7.5
Q39	Class of Worker	5239	87.9	11.6	0.6	
Q40	Self Employed - Incorporated	530	97.2	2.6	0.2	
Q41	Work Language	5239	87.6	10.8	1.6	
Q42	Place of Work	5239	84.0	12.8	3.3	
Q43	Transportation to Work	3135	96.6	1.5	2.0	
Q44	Weeks Worked	5239	89.6	10.2	0.2	
Q45	Full Time or Part Time	4402	98.8	1.1	0.1	
Q46(a)	Income - Wages, Salaries	8039	73.6	23.6		2.8
Q46(b)	Income - Unincorp. Business	8039	68.0	31.6		0.4
Q46(c)	Income - Farm Self Empl.	8039	67.8	31.5		0.7
Q46(d)	Income - OAS, GIS	8039	70.0	27.8		2.2
Q46(e)	Income - CPP, QPP	8039	69.5	28.5		2.0
Q46(f)	Income - UI	8039	67.7	30.7		1.6
Q46(g)	Income - Other Government	8039	68.1	30.8		1.1
Q46(h)	Income - Dividends, Interest	8039	68.3	29.6		2.2
Q46(i)	Income - Retirement Pensions	8039	67.8	30.9		1.2
Q46(j)	Income - Other	8039	67.3	32.5		0.2
Q46(k)	Income - Total	8039	65.3	33.1		1.5

Table 2
EFS Item Response Rates
Potential Method

Step / Question Number	Step / Question Name	In Scope (# Records)	Single Response (%)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	1442	56.2	43.8		
Q18	Race	9870	93.4	5.9	0.7	
Q24	School Language	1469	73.3	25.9	0.8	
Q29	Layoff	3950	81.4	18.5	0.0	
Q30	New Job	3950	84.2	15.8		
Q31	Look for Work	3950	81.3	18.3	0.4	
Q32	Start Job	1198	47.6	52.3	0.1	
Q33	Last Worked	3950	78.7	20.8	0.5	
Q34	Employer	6177	78.6	20.4		1.0
Q35	Type of Business	6177	76.0	24.0		
	Industry	6177	75.4	19.7		4.9
Q36	General Industry	6177	72.4	26.6	1.0	
Q37	Kind of Work	6177	77.1	22.9		
Q38	Most Important Duties	6177	70.6	29.4		
	Occupation	6177	70.2	22.5		7.2
Q39	Class of Worker	6177	77.0	22.5	0.5	
Q40	Self Employed - Incorporated	1943	36.9	63.0	0.1	
Q41	Work Language	6177	77.3	21.3	1.5	
Q42	Place of Work	6177	73.4	23.7	2.9	
Q43	Transportation to Work	4719	72.6	25.9	1.6	
Q44	Weeks Worked	6177	80.0	19.9	0.1	
Q45	Full Time or Part Time	5750	80.5	19.5	0.1	

Table 3
NCT - LFS Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Single Response (%)	Non-Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions						
DType	Dwelling Type	12265	99.3	0.7		
Step 3	Persons Left Out	12265	97.2	2.8	0.0	
Step 5	Temporary Residents	12265	98.1	1.8	0.0	
Step 7	Agricultural Operator	12265	98.7	1.3	0.0	
Q47	Who Pays	12265	62.7	1.7	35.7	
Q48	Tenure	12265	97.5	2.4	0.1	
Q49	Who Completed	12265	80.1	2.3	17.7	
Person Level Questions						
Q2	Relationship to Person 1	32696	89.8	10.1	0.1	
Q2	R2P1 (Person 2 Onwards)	20431	98.3	1.6	0.2	
Q3	Date of Birth	32696	99.1	0.5		0.4
Q4	Sex	32696	99.4	0.6		
Q5	Marital Status	32696	98.7	1.3	0.0	
Q6	Common-Law Status	32696	96.6	3.4		
Q6	Common-Law Status (15+)	25652	96.7	3.3		
Q7(a)	Activity Limitation - Home	32696	98.8	1.2	0.0	
Q7(b)	Activity Limitation - Work	32696	96.9	3.0	0.2	
Q7(c)	Activity Limitation - Other	32696	96.6	3.4		
Q8	Long Term Disabilities	32696	98.2	1.8	0.0	
Q9	Language	32696	79.9	0.9	19.2	
Q10	Home Language	32696	98.1	0.9	1.0	
Q11	Mother Tongue	32696	98.2	0.9	0.9	
Q12	Place of Birth	32696	99.1	0.8	0.1	
Q13	Citizenship	32696	97.8	1.3	1.0	
Q14	Landed Immigrant	32696	98.2	1.8	0.0	
Q15	Year of Immigration	2761	97.9	2.1		
Q16	Ethnic Origin	32696	61.2	4.0	34.8	
Q17	Aboriginal	32696	98.8	1.1	0.0	
Q18	Race	31733	99.0	0.3	0.6	
Q19	Indian Band	32696	98.2	1.1	0.0	0.7
Q20	Registered Indian	32696	98.7	1.3		
Q21	Mobility Status - 1 Year	25652	98.5	0.9	0.1	0.5
Q22	Mobility Status - 5 Year	25652	97.0	1.1	0.1	1.8
Q23	School Attendance	25652	99.0	1.0	0.0	
Q24	School Language	3826	96.9	2.2	0.8	

Q25	Degrees Obtained	25652	73.6	2.0	24.4	
Q26(a)	Unpaid Work - Housework	25652	98.4	1.5	0.1	
Q26(b)	Unpaid Work - Childcare	25652	98.1	1.8	0.0	
Q26(c)	Unpaid Work - Care/Seniors	25652	98.4	1.6	0.0	
Q26(d)	Unpaid Work - Care/Others	25652	97.3	2.7	0.0	
Q27	Unpaid Volunteer Work	25652	98.5	1.5	0.0	
Q28	Hours Worked	25652	97.3	2.1	0.5	
Q29	Layoff	11845	97.9	2.1	0.0	
Q30	New Job	11845	98.8	1.2		
Q31	Look for Work	11845	98.4	1.4	0.2	
Q32	Start Job	1752	98.5	1.5		
Q33	Last Worked	11845	98.1	1.5	0.4	
Q34	Employer	17461	96.4	3.0		0.6
Q35	Type of Business	17461	95.8	4.2		
	Industry	17461	95.5	2.7		1.8
Q36	General Industry	17461	94.7	4.6	0.6	
Q37	Kind of Work	17461	96.7	3.3		
Q38	Most Important Duties	17461	93.1	6.9		
	Occupation	17461	92.9	3.2		3.9
Q39	Class of Worker	17461	96.8	3.1	0.2	
Q40	Self Employed - Incorporated	2042	94.8	5.1	0.0	
Q41	Work Language	17461	95.5	3.0	1.5	
Q42	Place of Work	17461	94.5	4.1	1.5	
Q43	Transportation to Work	13612	98.7	0.5	0.7	
Q44	Weeks Worked	17461	96.1	3.8	0.1	
Q45	Full Time or Part Time	15849	99.5	0.5	0.1	
Q46(a)	Income - Wages, Salaries	25652	81.7	14.2		4.0
Q46(b)	Income - Unincorp. Business	25652	80.5	18.8		0.7
Q46(c)	Income - Farm Self Empl.	25652	80.5	18.9		0.6
Q46(d)	Income - OAS, GIS	25652	80.7	17.4		2.0
Q46(e)	Income - CPP, QPP	25652	80.3	17.7		2.0
Q46(f)	Income - UI	25652	80.0	18.4		1.6
Q46(g)	Income - Other Government	25652	80.3	18.5		1.1
Q46(h)	Income - Dividends, Interest	25652	79.6	18.1		2.3
Q46(i)	Income - Retirement Pensions	25652	80.0	18.9		1.1
Q46(j)	Income - Other	25652	80.2	19.6		0.2
Q46(k)	Income - Total	25652	82.9	13.1		4.0

Table 4
NCT - LFS Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Single Response (%)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	3348	82.8	17.2		
Q18	Race	32110	98.3	1.1	0.6	
Q24	School Language	4084	91.2	8.1	0.8	
Q29	Layoff	12526	95.6	4.3	0.0	
Q30	New Job	12526	96.5	3.5		
Q31	Look for Work	12526	96.0	3.8	0.2	
Q32	Start Job	2312	81.4	18.6		
Q33	Last Worked	12526	95.7	4.0	0.4	
Q34	Employer	18191	93.8	5.5		0.6
Q35	Type of Business	18191	93.1	6.9		
	Industry	18191	92.8	5.2		2.0
Q36	General Industry	18191	92.1	7.3	0.6	
Q37	Kind of Work	18191	94.1	5.9		
Q38	Most Important Duties	18191	90.4	9.6		
	Occupation	18191	90.3	5.8		4.0
Q39	Class of Worker	18191	94.1	5.7	0.2	
Q40	Self Employed - Incorporated	3107	66.2	33.8	0.1	
Q41	Work Language	18191	93.0	5.6	1.4	
Q42	Place of Work	18191	91.9	6.7	1.5	
Q43	Transportation to Work	15068	92.9	6.4	0.7	
Q44	Weeks Worked	18191	93.6	6.4	0.0	
Q45	Full Time or Part Time	17166	94.3	5.7	0.1	

Table 5
NCT - LFS Sample
Weighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (Weighted # Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	10 469 696	1.1		
Step 3	Persons Left Out	10 469 696	2.8	0.0	
Step 5	Temporary Residents	10 469 696	1.8	0.0	
Step 7	Agricultural Operator	10 469 696	1.3	0.0	
Q47	Who Pays	10 469 696	1.8	36.0	
Q48	Tenure	10 469 696	2.5	0.1	
Q49	Who Completed	10 469 696	2.8	17.4	
Person Level Questions					
Q2	Relationship to Person 1	27 293 574	9.5	0.1	
Q2	R2P1 (Person 2 Onwards)	16 823 878	1.5	0.1	
Q3	Date of Birth	27 293 574	0.6		0.5
Q4	Sex	27 293 574	0.8		
Q5	Marital Status	27 293 574	1.4	0.0	
Q6	Common-Law Status	27 293 574	3.2		
Q6	Common-Law Status (15+)	21 654 932	3.0		
Q7(a)	Activity Limitation - Home	27 293 574	1.2	0.0	
Q7(b)	Activity Limitation - Work	27 293 574	2.8	0.2	
Q7(c)	Activity Limitation - Other	27 293 574	3.3		
Q8	Long Term Disabilities	27 293 574	1.8	0.0	
Q9	Language	27 293 574	0.9	24.6	
Q10	Home Language	27 293 574	1.0	1.8	
Q11	Mother Tongue	27 293 574	1.0	1.4	
Q12	Place of Birth	27 293 574	0.9	0.1	
Q13	Citizenship	27 293 574	1.3	1.5	
Q14	Landed Immigrant	27 293 574	2.1	0.0	
Q15	Year of Immigration	3 871 826	1.3		
Q16	Ethnic Origin	27 293 574	3.8	32.6	
Q17	Aboriginal	27 293 574	1.1	0.0	
Q18	Race	26 592 805	0.3	1.0	
Q19	Indian Band	27 293 574	1.0	0.0	0.6
Q20	Registered Indian	27 293 574	1.2		
Q21	Mobility Status - 1 Year	21 654 932	0.9	0.1	0.5
Q22	Mobility Status - 5 Year	21 654 932	1.1	0.1	2.2
Q23	School Attendance	21 654 932	1.0	0.0	
Q24	School Language	3 411 913	2.2	0.9	

Q25	Degrees Obtained	21 654 932	2.1	26.2	
Q26(a)	Unpaid Work - Housework	21 654 932	1.5	0.1	
Q26(b)	Unpaid Work - Childcare	21 654 932	1.8	0.1	
Q26(c)	Unpaid Work - Care/Seniors	21 654 932	1.6	0.0	
Q26(d)	Unpaid Work - Care/Others	21 654 932	2.7	0.0	
Q27	Unpaid Volunteer Work	21 654 932	1.6	0.0	
Q28	Hours Worked	21 654 932	2.3	0.6	
Q29	Layoff	9 346 596	2.0	0.0	
Q30	New Job	9 346 596	1.1		
Q31	Look for Work	9 346 596	1.3	0.2	
Q32	Start Job	1 405 972	2.1		
Q33	Last Worked	9 346 596	1.7	0.4	
Q34	Employer	15 079 918	2.9		0.4
Q35	Type of Business	15 079 918	4.0		
	Industry	15 079 918	2.5		1.8
Q36	General Industry	15 079 918	4.2	0.6	
Q37	Kind of Work	15 079 918	3.0		
Q38	Most Important Duties	15 079 918	6.2		
	Occupation	15 079 918	2.9		3.5
Q39	Class of Worker	15 079 918	2.8	0.2	
Q40	Self Employed - Incorporated	1 645 276	5.5	0.0	
Q41	Work Language	15 079 918	3.0	2.1	
Q42	Place of Work	15 079 918	3.6	1.3	
Q43	Transportation to Work	12 095 650	0.7	0.7	
Q44	Weeks Worked	15 079 918	3.9	0.1	
Q45	Full Time or Part Time	13 764 185	0.5	0.1	
Q46(a)	Income - Wages, Salaries	21 654 932	11.3		3.4
Q46(b)	Income - Unincorp. Business	21 654 932	17.4		0.7
Q46(c)	Income - Farm Self Empl.	21 654 932	17.5		0.4
Q46(d)	Income - OAS, GIS	21 654 932	16.3		1.8
Q46(e)	Income - CPP, QPP	21 654 932	16.7		1.9
Q46(f)	Income - UI	21 654 932	17.4		1.2
Q46(g)	Income - Other Government	21 654 932	17.4		1.1
Q46(h)	Income - Dividends, Interest	21 654 932	17.1		2.5
Q46(i)	Income - Retirement Pensions	21 654 932	17.8		1.0
Q46(j)	Income - Other	21 654 932	18.4		0.2
Q46(k)	Income - Total	21 654 932	12.0		3.9

Table 6
NCT - LFS Sample
Weighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (Weighted # Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	4 451 655	12.0		
Q18	Race	26 903 119	1.1	1.0	
Q24	School Language	3 646 503	8.3	0.9	
Q29	Layoff	9 971 689	4.6	0.0	
Q30	New Job	9 971 689	3.8		
Q31	Look for Work	9 971 689	4.0	0.2	
Q32	Start Job	1 877 155	20.8		
Q33	Last Worked	9 971 689	4.6	0.4	
Q34	Employer	15 747 115	5.5		0.4
Q35	Type of Business	15 747 115	6.8		
	Industry	15 747 115	5.1		2.0
Q36	General Industry	15 747 115	7.0	0.6	
Q37	Kind of Work	15 747 115	5.6		
Q38	Most Important Duties	15 747 115	9.0		
	Occupation	15 747 115	5.5		3.7
Q39	Class of Worker	15 747 115	5.5	0.2	
Q40	Self Employed - Incorporated	2 533 236	34.8	0.0	
Q41	Work Language	15 747 115	5.6	2.0	
Q42	Place of Work	15 747 115	6.3	1.3	
Q43	Transportation to Work	13 298 936	6.2	0.7	
Q44	Weeks Worked	15 747 115	6.5	0.0	
Q45	Full Time or Part Time	14 933 136	5.8	0.1	

Table 7
NCT - Blacks in Halifax Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non-Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	248	5.2		
Step 3	Persons Left Out	248	0.4		
Step 5	Temporary Residents	248	0.4	0.4	
Step 7	Agricultural Operator	248	0.4		
Q47	Who Pays	248	1.6	17.7	
Q48	Tenure	248	3.2		
Q49	Who Completed	248	3.2	10.1	
Person Level Questions					
Q2	Relationship to Person 1	654	6.0	0.2	
Q2	R2P1 (Person 2 Onwards)	406	3.2	0.2	
Q3	Date of Birth	654	1.4		1.2
Q4	Sex	654	1.1		
Q5	Marital Status	654	2.0	0.3	
Q6	Common-Law Status	654	2.8		
Q6	Common-Law Status (15+)	465	2.8		
Q7(a)	Activity Limitation - Home	654	1.4		
Q7(b)	Activity Limitation - Work	654	1.7	0.6	
Q7(c)	Activity Limitation - Other	654	1.5		
Q8	Long Term Disabilities	654	2.1		
Q9	Language	654	0.5	4.3	
Q10	Home Language	654	0.9	1.4	
Q11	Mother Tongue	654	0.5	0.3	
Q12	Place of Birth	654			
Q13	Citizenship	654	0.3	0.6	
Q14	Landed Immigrant	654	3.1		
Q15	Year of Immigration	37	2.7		
Q16	Ethnic Origin	654	5.0	43.3	
Q17	Aboriginal	654	0.9	0.3	
Q18	Race	636	0.5	6.1	
Q19	Indian Band	654	1.1	0.2	0.8
Q20	Registered Indian	654	1.2		
Q21	Mobility Status - 1 Year	465	0.4		0.6
Q22	Mobility Status - 5 Year	465	1.1	1.3	0.9
Q23	School Attendance	465	1.5		
Q24	School Language	87	4.6	3.4	

Q25	Degrees Obtained	465	3.7	15.9	
Q26(a)	Unpaid Work - Housework	465	1.7	0.4	
Q26(b)	Unpaid Work - Childcare	465	2.4	0.2	
Q26(c)	Unpaid Work - Care/Seniors	465	3.2		
Q26(d)	Unpaid Work - Care/Others	465	3.9		
Q27	Unpaid Volunteer Work	465	3.0		
Q28	Hours Worked	465	2.6	0.2	
Q29	Layoff	285	4.6		
Q30	New Job	285	3.5		
Q31	Look for Work	285	4.9	1.1	
Q32	Start Job	45			
Q33	Last Worked	285	2.5	0.4	
Q34	Employer	226	3.5		
Q35	Type of Business	226	6.2		
	Industry	226	3.5		2.7
Q36	General Industry	226	8.4		
Q37	Kind of Work	226	4.9		
Q38	Most Important Duties	226	8.4		
	Occupation	226	4.9		3.5
Q39	Class of Worker	226	4.0		
Q40	Self Employed - Incorporated	11	27.3		
Q41	Work Language	226	4.0	0.4	
Q42	Place of Work	226	4.9	1.3	
Q43	Transportation to Work	187	0.5		
Q44	Weeks Worked	226	6.6		
Q45	Full Time or Part Time	193	0.5		
Q46(a)	Income - Wages, Salaries	465	9.5		4.9
Q46(b)	Income - Unincorp. Business	465	12.0		1.3
Q46(c)	Income - Farm Self Empl.	465	12.7		0.4
Q46(d)	Income - OAS, GIS	465	12.7		0.2
Q46(e)	Income - CPP, QPP	465	12.5		1.1
Q46(f)	Income - UI	465	14.0		1.5
Q46(g)	Income - Other Government	465	13.8		2.4
Q46(h)	Income - Dividends, Interest	465	13.5		0.9
Q46(i)	Income - Retirement Pensions	465	13.1		
Q46(j)	Income - Other	465	14.4		0.6
Q46(k)	Income - Total	465	9.2		6.2

Table 8
NCT - Asians in Montreal Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non-Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	278	1.4		
Step 3	Persons Left Out	278	5.0		
Step 5	Temporary Residents	278	3.6		
Step 7	Agricultural Operator	278	2.5		
Q47	Who Pays	278	1.8	42.8	
Q48	Tenure	278	2.9		
Q49	Who Completed	278	1.8	20.9	
Person Level Questions					
Q2	Relationship to Person 1	1032	12.9	0.4	
Q2	R2P1 (Person 2 Onwards)	754	1.2	0.5	
Q3	Date of Birth	1032	1.0		0.8
Q4	Sex	1032	0.5		
Q5	Marital Status	1032	0.7		
Q6	Common-Law Status	1032	3.1		
Q6	Common-Law Status (15+)	777	3.0		
Q7(a)	Activity Limitation - Home	1032	1.6		
Q7(b)	Activity Limitation - Work	1032	1.1		
Q7(c)	Activity Limitation - Other	1032	2.2		
Q8	Long Term Disabilities	1032	1.8		
Q9	Language	1032	0.8	72.2	
Q10	Home Language	1032	1.0	7.4	
Q11	Mother Tongue	1032	1.0	3.7	
Q12	Place of Birth	1032	0.6	0.2	
Q13	Citizenship	1032	1.4	2.5	
Q14	Landed Immigrant	1032	3.5		
Q15	Year of Immigration	340	1.5		
Q16	Ethnic Origin	1032	3.5	12.0	
Q17	Aboriginal	1032	1.7		
Q18	Race	1014	0.2	1.2	
Q19	Indian Band	1032	1.3		
Q20	Registered Indian	1032	1.4		
Q21	Mobility Status - 1 Year	777	0.6		0.4
Q22	Mobility Status - 5 Year	777	1.4		2.1
Q23	School Attendance	777	1.4		
Q24	School Language	231	1.7	0.9	

Q25	Degrees Obtained	777	2.1	22.9	
Q26(a)	Unpaid Work - Housework	777	1.3	0.1	
Q26(b)	Unpaid Work - Childcare	777	1.3	0.5	
Q26(c)	Unpaid Work - Care/Seniors	777	1.3		
Q26(d)	Unpaid Work - Care/Others	777	2.1		
Q27	Unpaid Volunteer Work	777	1.2		
Q28	Hours Worked	777	3.6	0.3	
Q29	Layoff	296	3.0		
Q30	New Job	296	1.7		
Q31	Look for Work	296	2.4		
Q32	Start Job	40	5.0		
Q33	Last Worked	296	1.0		
Q34	Employer	548	3.1		0.4
Q35	Type of Business	548	2.9		
	Industry	548	2.6		0.9
Q36	General Industry	548	3.6	0.2	
Q37	Kind of Work	548	2.7		
Q38	Most Important Duties	548	6.0		
	Occupation	548	2.7		3.3
Q39	Class of Worker	548	2.0		
Q40	Self Employed - Incorporated	96	6.3		
Q41	Work Language	548	3.5	10.2	
Q42	Place of Work	548	4.0	0.9	
Q43	Transportation to Work	493		1.0	
Q44	Weeks Worked	548	2.9		
Q45	Full Time or Part Time	503	0.6		
Q46(a)	Income - Wages, Salaries	777	13.9		3.5
Q46(b)	Income - Unincorp. Business	777	18.8		1.4
Q46(c)	Income - Farm Self Empl.	777	19.9		0.1
Q46(d)	Income - OAS, GIS	777	19.7		0.5
Q46(e)	Income - CPP, QPP	777	20.6		0.5
Q46(f)	Income - UI	777	20.1		0.4
Q46(g)	Income - Other Government	777	19.9		0.1
Q46(h)	Income - Dividends, Interest	777	18.5		2.4
Q46(i)	Income - Retirement Pensions	777	20.1		0.1
Q46(j)	Income - Other	777	19.9		
Q46(k)	Income - Total	777	13.3		6.2

Table 9
NCT - Blacks in Montreal Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non-Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	231	1.7		
Step 3	Persons Left Out	231	0.9		
Step 5	Temporary Residents	231	0.4		
Step 7	Agricultural Operator	231			
Q47	Who Pays	231	1.3	20.8	
Q48	Tenure	231	1.3		
Q49	Who Completed	231	1.3	4.3	
Person Level Questions					
Q2	Relationship to Person 1	550	8.0	0.2	
Q2	R2P1 (Person 2 Onwards)	319	0.6	0.3	
Q3	Date of Birth	550	0.5		0.2
Q4	Sex	550	0.4		
Q5	Marital Status	550	1.1		
Q6	Common-Law Status	550	1.1		
Q6	Common-Law Status (15+)	405	1.2		
Q7(a)	Activity Limitation - Home	550	0.4		
Q7(b)	Activity Limitation - Work	550	0.9	0.2	
Q7(c)	Activity Limitation - Other	550	2.9		
Q8	Long Term Disabilities	550	1.1		
Q9	Language	550	0.4	44.2	
Q10	Home Language	550	0.5	3.8	
Q11	Mother Tongue	550	0.4	3.1	
Q12	Place of Birth	550	0.5	0.2	
Q13	Citizenship	550	1.3	0.4	
Q14	Landed Immigrant	550	0.7		
Q15	Year of Immigration	103	6.8		
Q16	Ethnic Origin	550	1.1	19.8	
Q17	Aboriginal	550	1.1		
Q18	Race	540	0.2	0.4	
Q19	Indian Band	550	0.4		
Q20	Registered Indian	550	1.3		
Q21	Mobility Status - 1 Year	405	2.2		
Q22	Mobility Status - 5 Year	405	2.0	0.2	1.0
Q23	School Attendance	405	1.7		
Q24	School Language	63	1.6		

Q25	Degrees Obtained	405	2.7	6.9	
Q26(a)	Unpaid Work - Housework	405	2.2		
Q26(b)	Unpaid Work - Childcare	405	2.0		
Q26(c)	Unpaid Work - Care/Seniors	405	2.5		
Q26(d)	Unpaid Work - Care/Others	405	3.5		
Q27	Unpaid Volunteer Work	405	1.7		
Q28	Hours Worked	405	1.7		
Q29	Layoff	231	0.9		
Q30	New Job	231	1.7		
Q31	Look for Work	231	0.4	0.4	
Q32	Start Job	61	1.6	1.6	
Q33	Last Worked	231	1.3	0.4	
Q34	Employer	226	1.3		
Q35	Type of Business	226	0.9		
	Industry	226	0.9		0.4
Q36	General Industry	226	2.2	0.9	
Q37	Kind of Work	226	1.8		
Q38	Most Important Duties	226	3.1		
	Occupation	226	0.9		3.1
Q39	Class of Worker	226	0.9		
Q40	Self Employed - Incorporated	2			
Q41	Work Language	226	1.3	10.2	
Q42	Place of Work	226	2.2	1.8	
Q43	Transportation to Work	215	0.5	0.5	
Q44	Weeks Worked	226	1.8		
Q45	Full Time or Part Time	197			
Q46(a)	Income - Wages, Salaries	405	3.2		2.2
Q46(b)	Income - Unincorp. Business	405	4.2		0.5
Q46(c)	Income - Farm Self Empl.	405	4.4		0.5
Q46(d)	Income - OAS, GIS	405	4.2		1.2
Q46(e)	Income - CPP, QPP	405	4.9		1.0
Q46(f)	Income - UI	405	6.2		1.2
Q46(g)	Income - Other Government	405	5.2		0.5
Q46(h)	Income - Dividends, Interest	405	5.4		0.5
Q46(i)	Income - Retirement Pensions	405	4.2		0.5
Q46(j)	Income - Other	405	5.2		0.7
Q46(k)	Income - Total	405	7.2		3.5

Table 10
NCT - Latin Americans in Montreal Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	212	2.4		
Step 3	Persons Left Out	212	0.9		
Step 5	Temporary Residents	212	1.9		
Step 7	Agricultural Operator	212	0.5		
Q47	Who Pays	212	1.4	26.4	
Q48	Tenure	212	2.8		
Q49	Who Completed	212	0.5	8.0	
Person Level Questions					
Q2	Relationship to Person 1	476	8.6	0.4	
Q2	R2P1 (Person 2 Onwards)	264	0.8	0.8	
Q3	Date of Birth	476	0.6		0.8
Q4	Sex	476	0.8		
Q5	Marital Status	476	2.3	0.2	
Q6	Common-Law Status	476	4.0		
Q6	Common-Law Status (15+)	380	2.9		
Q7(a)	Activity Limitation - Home	476	0.4		
Q7(b)	Activity Limitation - Work	476	1.7		
Q7(c)	Activity Limitation - Other	476	1.7		
Q8	Long Term Disabilities	476	1.3		
Q9	Language	476	0.8	61.8	
Q10	Home Language	476	1.3	6.1	
Q11	Mother Tongue	476	0.4	3.6	
Q12	Place of Birth	476	0.2	0.4	
Q13	Citizenship	476	1.7	2.5	
Q14	Landed Immigrant	476	5.7		
Q15	Year of Immigration	224	0.9		
Q16	Ethnic Origin	476	2.3	17.4	
Q17	Aboriginal	476	2.1	0.4	
Q18	Race	463		0.9	
Q19	Indian Band	476	0.8		0.2
Q20	Registered Indian	476	0.8		
Q21	Mobility Status - 1 Year	380	1.1	0.3	0.8
Q22	Mobility Status - 5 Year	380	1.3		1.3
Q23	School Attendance	380	0.5	0.3	
Q24	School Language	48	2.1	2.1	

Q25	Degrees Obtained	380	0.8	15.8	
Q26(a)	Unpaid Work - Housework	380	1.8	0.3	
Q26(b)	Unpaid Work - Childcare	380	0.8		
Q26(c)	Unpaid Work - Care/Seniors	380	0.8		
Q26(d)	Unpaid Work - Care/Others	380	1.3		
Q27	Unpaid Volunteer Work	380	2.1		
Q28	Hours Worked	380	1.1	0.8	
Q29	Layoff	237	0.4		
Q30	New Job	237	0.4		
Q31	Look for Work	237	0.4	0.8	
Q32	Start Job	59	3.4		
Q33	Last Worked	237	0.4		
Q34	Employer	194	1.5		2.1
Q35	Type of Business	194	1.5		
	Industry	194	1.0		1.0
Q36	General Industry	194	1.5		
Q37	Kind of Work	194	1.5		
Q38	Most Important Duties	194	6.7		
	Occupation	194	1.5		5.2
Q39	Class of Worker	194	1.0		
Q40	Self Employed - Incorporated	13	7.7		
Q41	Work Language	194	1.5	8.8	
Q42	Place of Work	194	3.6	0.5	
Q43	Transportation to Work	180		1.7	
Q44	Weeks Worked	194	4.6	0.5	
Q45	Full Time or Part Time	164	1.8		
Q46(a)	Income - Wages, Salaries	380	5.0		2.4
Q46(b)	Income - Unincorp. Business	380	6.8		0.3
Q46(c)	Income - Farm Self Empl.	380	6.6		
Q46(d)	Income - OAS, GIS	380	6.6		3.7
Q46(e)	Income - CPP, QPP	380	7.1		3.4
Q46(f)	Income - UI	380	6.1		1.8
Q46(g)	Income - Other Government	380	7.6		2.1
Q46(h)	Income - Dividends, Interest	380	6.3		2.1
Q46(i)	Income - Retirement Pensions	380	8.7		2.1
Q46(j)	Income - Other	380	8.4		0.5
Q46(k)	Income - Total	380	6.8		5.8

Table 11
NCT - Asians in Toronto Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non-Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	246	0.4		
Step 3	Persons Left Out	246	4.5		
Step 5	Temporary Residents	246	3.3		
Step 7	Agricultural Operator	246	2.4		
Q47	Who Pays	246	1.2	19.1	
Q48	Tenure	246	4.1		
Q49	Who Completed	246	2.0	6.1	
Person Level Questions					
Q2	Relationship to Person 1	426	6.1	0.2	
Q2	R2P1 (Person 2 Onwards)	180	0.6	0.6	
Q3	Date of Birth	426	0.2		0.9
Q4	Sex	426	0.2		
Q5	Marital Status	426	1.4		
Q6	Common-Law Status	426	2.6		
Q6	Common-Law Status (15+)	378	2.4		
Q7(a)	Activity Limitation - Home	426	1.6		
Q7(b)	Activity Limitation - Work	426	3.8		
Q7(c)	Activity Limitation - Other	426	5.4		
Q8	Long Term Disabilities	426	3.3		
Q9	Language	426	1.4	39.0	
Q10	Home Language	426	0.7	2.3	
Q11	Mother Tongue	426	0.7	0.7	
Q12	Place of Birth	426	1.4		
Q13	Citizenship	426	2.6	2.6	
Q14	Landed Immigrant	426	6.6		
Q15	Year of Immigration	314	1.0		
Q16	Ethnic Origin	426	0.9	6.1	
Q17	Aboriginal	426	0.9		
Q18	Race	418	0.7	4.8	
Q19	Indian Band	426	1.2		
Q20	Registered Indian	426	0.9		
Q21	Mobility Status - 1 Year	378	1.1		2.4
Q22	Mobility Status - 5 Year	378	1.6		6.9
Q23	School Attendance	378	1.6		
Q24	School Language	56	3.6		

Q25	Degrees Obtained	378	2.1	10.1	
Q26(a)	Unpaid Work - Housework	378	1.1		
Q26(b)	Unpaid Work - Childcare	378	1.9		
Q26(c)	Unpaid Work - Care/Seniors	378	1.6		
Q26(d)	Unpaid Work - Care/Others	378	5.8		
Q27	Unpaid Volunteer Work	378	1.3		
Q28	Hours Worked	378	2.4	0.8	
Q29	Layoff	256	2.3		
Q30	New Job	256	2.0		
Q31	Look for Work	256	2.3		
Q32	Start Job	15			
Q33	Last Worked	256	4.7		
Q34	Employer	141	19.9		
Q35	Type of Business	141	23.4		
	Industry	141	17.7		7.8
Q36	General Industry	141	22.7		
Q37	Kind of Work	141	19.9		
Q38	Most Important Duties	141	27.7		
	Occupation	141	19.1		9.2
Q39	Class of Worker	141	15.6		
Q40	Self Employed - Incorporated	25	4.0		
Q41	Work Language	141	17.0	1.4	
Q42	Place of Work	141	19.1	0.7	
Q43	Transportation to Work	93	3.2		
Q44	Weeks Worked	141	14.9	1.4	
Q45	Full Time or Part Time	107	1.9		
Q46(a)	Income - Wages, Salaries	378	24.1		0.3
Q46(b)	Income - Unincorp. Business	378	27.8		0.8
Q46(c)	Income - Farm Self Empl.	378	29.6		
Q46(d)	Income - OAS, GIS	378	24.6		1.3
Q46(e)	Income - CPP, QPP	378	27.2		0.8
Q46(f)	Income - UI	378	29.4		0.3
Q46(g)	Income - Other Government	378	25.4		1.3
Q46(h)	Income - Dividends, Interest	378	27.5		0.8
Q46(i)	Income - Retirement Pensions	378	28.8		0.3
Q46(j)	Income - Other	378	27.8		
Q46(k)	Income - Total	378	11.9		2.4

Table 12
NCT - Blacks in Toronto Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non-Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	208	2.9		
Step 3	Persons Left Out	208	1.9		
Step 5	Temporary Residents	208	1.0	0.5	
Step 7	Agricultural Operator	208	1.0		
Q47	Who Pays	208	1.4	32.2	
Q48	Tenure	208	11.1		
Q49	Who Completed	208	1.9	14.9	
Person Level Questions					
Q2	Relationship to Person 1	723	5.9	0.3	
Q2	R2P1 (Person 2 Onwards)	515	0.2	0.4	
Q3	Date of Birth	723	0.7		0.8
Q4	Sex	723	0.4		
Q5	Marital Status	723	1.9		
Q6	Common-Law Status	723	2.5	0.1	
Q6	Common-Law Status (15+)	491	2.6		
Q7(a)	Activity Limitation - Home	723	3.2		
Q7(b)	Activity Limitation - Work	723	7.2		
Q7(c)	Activity Limitation - Other	723	8.2		
Q8	Long Term Disabilities	723	8.2		
Q9	Language	723	2.4	27.8	
Q10	Home Language	723	2.9	1.7	
Q11	Mother Tongue	723	4.6	1.8	
Q12	Place of Birth	723	5.3	0.6	
Q13	Citizenship	723	4.1	3.5	
Q14	Landed Immigrant	723	8.6		
Q15	Year of Immigration	444	0.5		
Q16	Ethnic Origin	723	4.1	6.6	
Q17	Aboriginal	723	2.2		
Q18	Race	706		2.1	
Q19	Indian Band	723	2.2		0.1
Q20	Registered Indian	723	2.4		
Q21	Mobility Status - 1 Year	491	2.2		2.0
Q22	Mobility Status - 5 Year	491	2.6	0.4	4.5
Q23	School Attendance	491	2.6	0.2	
Q24	School Language	135	6.7		

Q25	Degrees Obtained	491	2.4	7.5	
Q26(a)	Unpaid Work - Housework	491	1.6		
Q26(b)	Unpaid Work - Childcare	491	2.9	0.2	
Q26(c)	Unpaid Work - Care/Seniors	491	3.5		
Q26(d)	Unpaid Work - Care/Others	491	3.5		
Q27	Unpaid Volunteer Work	491	2.9		
Q28	Hours Worked	491	2.9		
Q29	Layoff	275	1.5		
Q30	New Job	275	1.8		
Q31	Look for Work	275	5.1		
Q32	Start Job	88	2.3	1.1	
Q33	Last Worked	275	0.7	0.4	
Q34	Employer	283	3.5		0.4
Q35	Type of Business	283	5.3		
	Industry	283	2.1		4.6
Q36	General Industry	283	2.5		
Q37	Kind of Work	283	5.7		
Q38	Most Important Duties	283	7.4		
	Occupation	283	5.3		2.5
Q39	Class of Worker	283	1.4		
Q40	Self Employed - Incorporated	9	11.1		
Q41	Work Language	283	6.0		
Q42	Place of Work	283	4.9	0.7	
Q43	Transportation to Work	240		1.7	
Q44	Weeks Worked	283	1.8		
Q45	Full Time or Part Time	239	0.4		
Q46(a)	Income - Wages, Salaries	491	8.1		1.8
Q46(b)	Income - Unincorp. Business	491	10.0		
Q46(c)	Income - Farm Self Empl.	491	11.0		
Q46(d)	Income - OAS, GIS	491	10.0		0.4
Q46(e)	Income - CPP, QPP	491	12.0		0.2
Q46(f)	Income - UI	491	12.2		0.2
Q46(g)	Income - Other Government	491	10.2		0.4
Q46(h)	Income - Dividends, Interest	491	11.0		0.2
Q46(i)	Income - Retirement Pensions	491	11.4		
Q46(j)	Income - Other	491	10.4		0.2
Q46(k)	Income - Total	491	10.2		1.6

Table 13
NCT - Aboriginals in Winnipeg Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	259			
Step 3	Persons Left Out	259	4.6		
Step 5	Temporary Residents	259	2.3		
Step 7	Agricultural Operator	259	0.8		
Q47	Who Pays	259	2.7	40.9	
Q48	Tenure	259	1.5		
Q49	Who Completed	259	1.9	20.8	
Person Level Questions					
Q2	Relationship to Person 1	670	9.4		
Q2	R2P1 (Person 2 Onwards)	411	0.5		
Q3	Date of Birth	670	0.3		0.9
Q4	Sex	670	0.7		
Q5	Marital Status	670	1.2		
Q6	Common-Law Status	670	4.6		
Q6	Common-Law Status (15+)	574	4.9		
Q7(a)	Activity Limitation - Home	670	1.5		
Q7(b)	Activity Limitation - Work	670	4.2		
Q7(c)	Activity Limitation - Other	670	3.6		
Q8	Long Term Disabilities	670	2.1		
Q9	Language	670	1.5	36.0	
Q10	Home Language	670	1.8	1.6	
Q11	Mother Tongue	670	1.6	0.4	
Q12	Place of Birth	670	0.6		
Q13	Citizenship	670	0.6	1.8	
Q14	Landed Immigrant	670	1.5		
Q15	Year of Immigration	137	0.7		
Q16	Ethnic Origin	670	5.1	31.2	
Q17	Aboriginal	670	1.2		
Q18	Race	626	1.3	2.4	
Q19	Indian Band	670	1.2		1.6
Q20	Registered Indian	670	1.2		
Q21	Mobility Status - 1 Year	574	0.5		
Q22	Mobility Status - 5 Year	574	2.1		
Q23	School Attendance	574	0.5		
Q24	School Language	84			

Q25	Degrees Obtained	574	1.6	25.8	
Q26(a)	Unpaid Work - Housework	574	1.0		
Q26(b)	Unpaid Work - Childcare	574	0.7		
Q26(c)	Unpaid Work - Care/Seniors	574	0.9		
Q26(d)	Unpaid Work - Care/Others	574	0.9		
Q27	Unpaid Volunteer Work	574	0.7		
Q28	Hours Worked	574	2.6	0.5	
Q29	Layoff	258	1.9		
Q30	New Job	258	1.2		
Q31	Look for Work	258	1.6		
Q32	Start Job	33	3.0		
Q33	Last Worked	258	2.3		
Q34	Employer	367	2.2		
Q35	Type of Business	367	3.8		
	Industry	367	1.9		2.2
Q36	General Industry	367	4.6		
Q37	Kind of Work	367	2.5		
Q38	Most Important Duties	367	5.2		
	Occupation	367	2.5		2.7
Q39	Class of Worker	367	2.7	0.3	
Q40	Self Employed - Incorporated	22			
Q41	Work Language	367	1.6		
Q42	Place of Work	367	3.8	0.3	
Q43	Transportation to Work	318	0.6		
Q44	Weeks Worked	367	3.5		
Q45	Full Time or Part Time	336	0.6		
Q46(a)	Income - Wages, Salaries	574	11.7		5.1
Q46(b)	Income - Unincorp. Business	574	16.7		0.3
Q46(c)	Income - Farm Self Empl.	574	17.9		0.2
Q46(d)	Income - OAS, GIS	574	13.1		3.8
Q46(e)	Income - CPP, QPP	574	13.8		3.5
Q46(f)	Income - UI	574	17.2		0.5
Q46(g)	Income - Other Government	574	16.9		1.4
Q46(h)	Income - Dividends, Interest	574	14.6		2.8
Q46(i)	Income - Retirement Pensions	574	15.9		1.9
Q46(j)	Income - Other	574	18.8		
Q46(k)	Income - Total	574	12.4		4.2

Table 14
NCT - Metis in Winnipeg Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	231	1.3		
Step 3	Persons Left Out	231	3.5		
Step 5	Temporary Residents	231	0.9		
Step 7	Agricultural Operator	231	1.3		
Q47	Who Pays	231	1.3	29.4	
Q48	Tenure	231	3.0		
Q49	Who Completed	231	2.6	23.8	
Person Level Questions					
Q2	Relationship to Person 1	684	12.6		
Q2	R2P1 (Person 2 Onwards)	453	1.1		
Q3	Date of Birth	684	0.6		0.6
Q4	Sex	684	0.1		
Q5	Marital Status	684	0.9		
Q6	Common-Law Status	684	5.6		
Q6	Common-Law Status (15+)	479	4.8		
Q7(a)	Activity Limitation - Home	684	1.3		
Q7(b)	Activity Limitation - Work	684	1.5		
Q7(c)	Activity Limitation - Other	684	2.5		
Q8	Long Term Disabilities	684	1.8	0.1	
Q9	Language	684	0.3	20.5	
Q10	Home Language	684	0.4		
Q11	Mother Tongue	684	0.1	0.4	
Q12	Place of Birth	684	0.3		
Q13	Citizenship	684	5.1	0.7	
Q14	Landed Immigrant	684	0.4		
Q15	Year of Immigration	39			
Q16	Ethnic Origin	684	2.9	43.3	
Q17	Aboriginal	684	0.3	0.3	
Q18	Race	320	1.6	1.6	
Q19	Indian Band	684	0.7	0.1	11.1
Q20	Registered Indian	684	1.0		
Q21	Mobility Status - 1 Year	479	0.6		
Q22	Mobility Status - 5 Year	479	0.6		1.0
Q23	School Attendance	479	0.6		
Q24	School Language	81			

Q25	Degrees Obtained	479	1.0	20.0	
Q26(a)	Unpaid Work - Housework	479	1.7		
Q26(b)	Unpaid Work - Childcare	479	1.0		
Q26(c)	Unpaid Work - Care/Seniors	479	1.0		
Q26(d)	Unpaid Work - Care/Others	479	1.3		
Q27	Unpaid Volunteer Work	479	0.8		
Q28	Hours Worked	479	1.9	0.4	
Q29	Layoff	246	1.2		
Q30	New Job	246	1.2		
Q31	Look for Work	246	1.2	0.4	
Q32	Start Job	62	1.6		
Q33	Last Worked	246	1.6	0.4	
Q34	Employer	305	4.3		0.7
Q35	Type of Business	305	4.9		
	Industry	305	4.3		0.7
Q36	General Industry	305	6.9		
Q37	Kind of Work	305	6.2		
Q38	Most Important Duties	305	7.2		
	Occupation	305	6.2		1.0
Q39	Class of Worker	305	5.9		
Q40	Self Employed - Incorporated	7			
Q41	Work Language	305	4.6	1.6	
Q42	Place of Work	305	5.2	0.7	
Q43	Transportation to Work	268		1.5	
Q44	Weeks Worked	305	4.9		
Q45	Full Time or Part Time	271	0.4		
Q46(a)	Income - Wages, Salaries	479	23.2		2.5
Q46(b)	Income - Unincorp. Business	479	26.5		0.6
Q46(c)	Income - Farm Self Empl.	479	26.9		0.4
Q46(d)	Income - OAS, GIS	479	26.7		2.5
Q46(e)	Income - CPP, QPP	479	26.7		1.9
Q46(f)	Income - UI	479	26.9		1.0
Q46(g)	Income - Other Government	479	26.5		2.9
Q46(h)	Income - Dividends, Interest	479	28.2		1.7
Q46(i)	Income - Retirement Pensions	479	27.6		0.2
Q46(j)	Income - Other	479	28.2		0.2
Q46(k)	Income - Total	479	6.7		2.9

Table 15
NCT - Aboriginals in Regina Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	233			
Step 3	Persons Left Out	233	3.0		
Step 5	Temporary Residents	233	1.7		
Step 7	Agricultural Operator	233	0.9		
Q47	Who Pays	233	1.7	25.3	
Q48	Tenure	233	3.9		
Q49	Who Completed	233	2.1	27.5	
Person Level Questions					
Q2	Relationship to Person 1	545	11.7		
Q2	R2P1 (Person 2 Onwards)	312	2.6		
Q3	Date of Birth	545	2.2		1.8
Q4	Sex	545	1.8		
Q5	Marital Status	545	0.7		
Q6	Common-Law Status	545	2.2		
Q6	Common-Law Status (15+)	411	1.9		
Q7(a)	Activity Limitation - Home	545	3.9		
Q7(b)	Activity Limitation - Work	545	6.8	0.2	
Q7(c)	Activity Limitation - Other	545	6.4		
Q8	Long Term Disabilities	545	4.2		
Q9	Language	545	1.5	11.4	
Q10	Home Language	545	0.7		
Q11	Mother Tongue	545	1.1	1.8	
Q12	Place of Birth	545	2.6		
Q13	Citizenship	545	2.2	0.4	
Q14	Landed Immigrant	545	5.5		
Q15	Year of Immigration	24	12.5		
Q16	Ethnic Origin	545	3.5	39.4	
Q17	Aboriginal	545	1.5		
Q18	Race	326	0.9	0.3	
Q19	Indian Band	545	3.7		27.9
Q20	Registered Indian	545	2.2		
Q21	Mobility Status - 1 Year	411	2.9		0.7
Q22	Mobility Status - 5 Year	411	3.9		1.7
Q23	School Attendance	411	2.7		
Q24	School Language	51	3.9		

Q25	Degrees Obtained	411	4.9	13.9	
Q26(a)	Unpaid Work - Housework	411	4.1	0.2	
Q26(b)	Unpaid Work - Childcare	411	4.6	0.2	
Q26(c)	Unpaid Work - Care/Seniors	411	4.1		
Q26(d)	Unpaid Work - Care/Others	411	7.5	0.2	
Q27	Unpaid Volunteer Work	411	3.6		
Q28	Hours Worked	411	3.6		
Q29	Layoff	278	3.2		
Q30	New Job	278	2.9		
Q31	Look for Work	278	2.9		
Q32	Start Job	38	7.9		
Q33	Last Worked	278	3.2	0.4	
Q34	Employer	181	3.3		
Q35	Type of Business	181	6.6		
	Industry	181	2.8		4.4
Q36	General Industry	181	5.0	0.6	
Q37	Kind of Work	181	5.0		
Q38	Most Important Duties	181	8.3		
	Occupation	181	5.0		3.3
Q39	Class of Worker	181	3.3	0.6	
Q40	Self Employed - Incorporated	12	16.7		
Q41	Work Language	181	3.3		
Q42	Place of Work	181	5.5	0.6	
Q43	Transportation to Work	156			
Q44	Weeks Worked	181	6.1	0.6	
Q45	Full Time or Part Time	160	0.6		
Q46(a)	Income - Wages, Salaries	411	23.8		7.5
Q46(b)	Income - Unincorp. Business	411	28.5		
Q46(c)	Income - Farm Self Empl.	411	29.4		0.5
Q46(d)	Income - OAS, GIS	411	25.8		3.4
Q46(e)	Income - CPP, QPP	411	27.0		3.6
Q46(f)	Income - UI	411	26.5		2.2
Q46(g)	Income - Other Government	411	25.8		4.6
Q46(h)	Income - Dividends, Interest	411	28.2		2.2
Q46(i)	Income - Retirement Pensions	411	29.4		1.5
Q46(j)	Income - Other	411	28.5		0.5
Q46(k)	Income - Total	411	9.5		5.1

Table 16
NCT - Metis in Saskatoon Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	178	1.7		
Step 3	Persons Left Out	178	3.9		
Step 5	Temporary Residents	178	0.6	0.6	
Step 7	Agricultural Operator	178	1.7		
Q47	Who Pays	178	1.1	36.5	
Q48	Tenure	178	1.7	0.6	
Q49	Who Completed	178	2.2	12.9	
Person Level Questions					
Q2	Relationship to Person 1	571	15.4		
Q2	R2P1 (Person 2 Onwards)	393	5.6		
Q3	Date of Birth	571	0.4		0.9
Q4	Sex	571	2.1		
Q5	Marital Status	571	1.9		
Q6	Common-Law Status	571	3.2		
Q6	Common-Law Status (15+)	387	3.1		
Q7(a)	Activity Limitation - Home	571	1.4		
Q7(b)	Activity Limitation - Work	571	3.2		
Q7(c)	Activity Limitation - Other	571	2.8		
Q8	Long Term Disabilities	571	1.8		
Q9	Language	571	1.2	11.7	
Q10	Home Language	571	1.9	0.5	
Q11	Mother Tongue	571	1.2	0.9	
Q12	Place of Birth	571	0.5	1.1	
Q13	Citizenship	571	0.4	0.5	
Q14	Landed Immigrant	571	0.9		
Q15	Year of Immigration	1			
Q16	Ethnic Origin	571	3.9	45.5	
Q17	Aboriginal	571	2.3	0.4	
Q18	Race	233	2.1	3.9	
Q19	Indian Band	571	3.3	0.2	14.5
Q20	Registered Indian	571	1.6		
Q21	Mobility Status - 1 Year	387	0.5		0.3
Q22	Mobility Status - 5 Year	387	2.3		1.3
Q23	School Attendance	387	0.5	0.5	
Q24	School Language	93	2.2		

Q25	Degrees Obtained	387	0.5	24.5	
Q26(a)	Unpaid Work - Housework	387	0.8		
Q26(b)	Unpaid Work - Childcare	387	1.0	0.8	
Q26(c)	Unpaid Work - Care/Seniors	387	1.0		
Q26(d)	Unpaid Work - Care/Others	387	1.0		
Q27	Unpaid Volunteer Work	387	0.5		
Q28	Hours Worked	387	3.1	0.3	
Q29	Layoff	199	4.5		
Q30	New Job	199	1.0		
Q31	Look for Work	199	1.0		
Q32	Start Job	43	2.3		
Q33	Last Worked	199	1.0		
Q34	Employer	253	7.1		0.8
Q35	Type of Business	253	10.7		
	Industry	253	7.1		3.6
Q36	General Industry	253	9.5	0.4	
Q37	Kind of Work	253	9.9		
Q38	Most Important Duties	253	12.6		
	Occupation	253	9.5		3.6
Q39	Class of Worker	253	9.1	1.2	
Q40	Self Employed - Incorporated	12	8.3		
Q41	Work Language	253	4.0	2.0	
Q42	Place of Work	253	7.5		
Q43	Transportation to Work	220	2.3		
Q44	Weeks Worked	253	5.5		
Q45	Full Time or Part Time	217	1.4	1.4	
Q46(a)	Income - Wages, Salaries	387	10.3		1.8
Q46(b)	Income - Unincorp. Business	387	13.4		
Q46(c)	Income - Farm Self Empl.	387	13.2		
Q46(d)	Income - OAS, GIS	387	12.4		0.5
Q46(e)	Income - CPP, QPP	387	12.1		0.8
Q46(f)	Income - UI	387	12.1		2.1
Q46(g)	Income - Other Government	387	14.0		1.0
Q46(h)	Income - Dividends, Interest	387	12.1		0.8
Q46(i)	Income - Retirement Pensions	387	14.0		0.3
Q46(j)	Income - Other	387	13.2		
Q46(k)	Income - Total	387	10.6		0.8

Table 17
NCT - Aboriginals in Edmonton Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non-Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	233			
Step 3	Persons Left Out	233	4.7		
Step 5	Temporary Residents	233	3.9		
Step 7	Agricultural Operator	233	1.7		
Q47	Who Pays	233	3.0	30.9	
Q48	Tenure	233	3.9		
Q49	Who Completed	233	4.7	13.7	
Person Level Questions					
Q2	Relationship to Person 1	545	5.3		
Q2	R2P1 (Person 2 Onwards)	312	1.3		
Q3	Date of Birth	545	1.7		0.4
Q4	Sex	545	1.1		
Q5	Marital Status	545	2.6		
Q6	Common-Law Status	545	5.7		
Q6	Common-Law Status (15+)	433	4.4		
Q7(a)	Activity Limitation - Home	545	3.3		
Q7(b)	Activity Limitation - Work	545	4.2	0.2	
Q7(c)	Activity Limitation - Other	545	6.1		
Q8	Long Term Disabilities	545	3.7		
Q9	Language	545	2.0	24.8	
Q10	Home Language	545	2.2		
Q11	Mother Tongue	545	2.6	1.1	
Q12	Place of Birth	545	2.4		
Q13	Citizenship	545	3.1	1.7	
Q14	Landed Immigrant	545	4.0		
Q15	Year of Immigration	86	1.2		
Q16	Ethnic Origin	545	5.5	39.3	
Q17	Aboriginal	545	2.8		
Q18	Race	471	1.3	1.7	
Q19	Indian Band	545	2.4		4.4
Q20	Registered Indian	545	2.4		
Q21	Mobility Status - 1 Year	433	2.5		0.9
Q22	Mobility Status - 5 Year	433	2.5		1.6
Q23	School Attendance	433	3.0		
Q24	School Language	54			

Q25	Degrees Obtained	433	3.5	20.3	
Q26(a)	Unpaid Work - Housework	433	2.8		
Q26(b)	Unpaid Work - Childcare	433	4.6		
Q26(c)	Unpaid Work - Care/Seniors	433	3.9		
Q26(d)	Unpaid Work - Care/Others	433	4.8		
Q27	Unpaid Volunteer Work	433	3.5		
Q28	Hours Worked	433	4.6		
Q29	Layoff	187	1.6		
Q30	New Job	187	1.1		
Q31	Look for Work	187	1.1		
Q32	Start Job	44	4.5		
Q33	Last Worked	187	0.5		
Q34	Employer	298	2.3		0.7
Q35	Type of Business	298	5.0		
	Industry	298	2.0		3.4
Q36	General Industry	298	4.0		
Q37	Kind of Work	298	3.7		
Q38	Most Important Duties	298	8.1		
	Occupation	298	3.4		5.0
Q39	Class of Worker	298	3.7		
Q40	Self Employed - Incorporated	16			
Q41	Work Language	298	2.3		
Q42	Place of Work	298	5.4	1.3	
Q43	Transportation to Work	246			
Q44	Weeks Worked	298	3.7		
Q45	Full Time or Part Time	267			
Q46(a)	Income - Wages, Salaries	433	13.9		0.7
Q46(b)	Income - Unincorp. Business	433	20.1		
Q46(c)	Income - Farm Self Empl.	433	18.9		
Q46(d)	Income - OAS, GIS	433	18.5		0.9
Q46(e)	Income - CPP, QPP	433	19.9		1.4
Q46(f)	Income - UI	433	19.6		1.4
Q46(g)	Income - Other Government	433	19.4		1.6
Q46(h)	Income - Dividends, Interest	433	19.2		1.8
Q46(i)	Income - Retirement Pensions	433	20.6		0.9
Q46(j)	Income - Other	433	22.4		
Q46(k)	Income - Total	433	12.9		0.5

Table 18
NCT - Asians in Vancouver Sample
Unweighted Definite Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Household Level Steps / Questions					
DType	Dwelling Type	279	5.7		
Step 3	Persons Left Out	279	3.9		
Step 5	Temporary Residents	279	4.7		
Step 7	Agricultural Operator	279	3.2		
Q47	Who Pays	279	3.2	43.4	
Q48	Tenure	279	3.6		
Q49	Who Completed	279	3.6	20.8	
Person Level Questions					
Q2	Relationship to Person 1	1090	5.8	0.3	
Q2	R2P1 (Person 2 Onwards)	811	2.3	0.4	
Q3	Date of Birth	1090	1.2		1.9
Q4	Sex	1090	0.6		
Q5	Marital Status	1090	2.9		
Q6	Common-Law Status	1090	5.6		
Q6	Common-Law Status (15+)	875	5.0		
Q7(a)	Activity Limitation - Home	1090	3.3		
Q7(b)	Activity Limitation - Work	1090	3.2	0.2	
Q7(c)	Activity Limitation - Other	1090	5.3		
Q8	Long Term Disabilities	1090	3.9		
Q9	Language	1090	2.9	58.8	
Q10	Home Language	1090	2.4	4.8	
Q11	Mother Tongue	1090	2.0	5.9	
Q12	Place of Birth	1090	1.3		
Q13	Citizenship	1090	3.1	1.5	
Q14	Landed Immigrant	1090	9.3		
Q15	Year of Immigration	656	1.1		
Q16	Ethnic Origin	1090	5.3	5.4	
Q17	Aboriginal	1090	2.7		
Q18	Race	1061	0.8	2.5	
Q19	Indian Band	1090	2.0		
Q20	Registered Indian	1090	2.1		
Q21	Mobility Status - 1 Year	875	0.7		1.1
Q22	Mobility Status - 5 Year	875	1.1		5.3
Q23	School Attendance	875	0.3		
Q24	School Language	183	2.7	1.6	

Q25	Degrees Obtained	875	1.3	14.9	
Q26(a)	Unpaid Work - Housework	875	1.6	0.3	
Q26(b)	Unpaid Work - Childcare	875	2.7	0.5	
Q26(c)	Unpaid Work - Care/Seniors	875	2.9		
Q26(d)	Unpaid Work - Care/Others	875	2.4		
Q27	Unpaid Volunteer Work	875	1.6		
Q28	Hours Worked	875	3.7	0.2	
Q29	Layoff	408	1.0		
Q30	New Job	408	0.5		
Q31	Look for Work	408	1.0		
Q32	Start Job	65	6.2		
Q33	Last Worked	408	2.0		
Q34	Employer	563	7.5		0.7
Q35	Type of Business	563	8.7		
	Industry	563	5.3		5.5
Q36	General Industry	563	7.6	1.2	
Q37	Kind of Work	563	7.5		
Q38	Most Important Duties	563	12.6		
	Occupation	563	7.5		5.2
Q39	Class of Worker	563	5.2		
Q40	Self Employed - Incorporated	57	5.3		
Q41	Work Language	563	5.0	6.2	
Q42	Place of Work	563	11.5	1.4	
Q43	Transportation to Work	375	0.5	1.1	
Q44	Weeks Worked	563	7.1		
Q45	Full Time or Part Time	474	1.3		
Q46(a)	Income - Wages, Salaries	875	19.5		1.5
Q46(b)	Income - Unincorp. Business	875	27.2		
Q46(c)	Income - Farm Self Empl.	875	27.0		
Q46(d)	Income - OAS, GIS	875	26.9		0.3
Q46(e)	Income - CPP, QPP	875	27.5		0.1
Q46(f)	Income - UI	875	27.1		0.2
Q46(g)	Income - Other Government	875	27.3		0.3
Q46(h)	Income - Dividends, Interest	875	27.1		1.7
Q46(i)	Income - Retirement Pensions	875	28.1		0.3
Q46(j)	Income - Other	875	28.5		0.2
Q46(k)	Income - Total	875	26.6		1.9

Table 19
NCT - Blacks in Halifax Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	57	36.8		
Q18	Race	644	0.5	6.1	
Q24	School Language	94	11.7	3.2	
Q29	Layoff	298	7.4		
Q30	New Job	298	6.4		
Q31	Look for Work	298	7.7	1.0	
Q32	Start Job	73	28.8		
Q33	Last Worked	298	5.0	0.3	
Q34	Employer	245	9.0		
Q35	Type of Business	245	11.4		
	Industry	245	9.0		2.4
Q36	General Industry	245	13.1		
Q37	Kind of Work	245	10.2		
Q38	Most Important Duties	245	13.5		
	Occupation	245	10.2		3.3
Q39	Class of Worker	245	9.4		
Q40	Self Employed - Incorporated	34	73.5		
Q41	Work Language	245	9.4	0.4	
Q42	Place of Work	245	10.2	1.2	
Q43	Transportation to Work	220	10.0	0.5	
Q44	Weeks Worked	245	12.2		
Q45	Full Time or Part Time	227	9.3	0.4	

Table 20
NCT - Asians in Montreal Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	376	8.5		
Q18	Race	1032	1.5	1.2	
Q24	School Language	242	5.8	0.8	
Q24	Layoff	326	6.4		
Q30	New Job	326	5.5		
Q33	Look for Work	326	5.8		
Q37	Start Job	61	31.1		
Q33	Last Worked	326	4.6		
Q33	Employer	579	7.6		0.3
Q33	Type of Business	579	7.4		
	Industry	579	7.1		0.9
Q33	General Industry	579	8.1	0.2	
Q37	Kind of Work	579	7.3		
Q37	Most Important Duties	579	10.4		
	Occupation	579	7.3		3.1
Q39	Class of Worker	579	6.6		
Q40	Self Employed - Incorporated	135	32.6		
Q41	Work Language	579	7.9	9.7	
Q42	Place of Work	579	8.5	0.9	
Q43	Transportation to Work	549	6.9	0.9	
Q44	Weeks Worked	579	7.4		
Q45	Full Time or Part Time	550	7.5		

Table 21
NCT - Blacks in Montreal Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	107	10.3		
Q18	Race	546	0.5	0.4	
Q24	School Language	70	11.4		
Q29	Layoff	238	3.8		
Q30	New Job	238	4.6		
Q31	Look for Work	238	3.4	0.4	
Q32	Start Job	70	12.9	1.4	
Q33	Last Worked	238	4.2	0.4	
Q34	Employer	237	4.2		
Q35	Type of Business	237	3.8		
	Industry	237	3.8		0.4
Q36	General Industry	237	5.1	0.8	
Q37	Kind of Work	237	4.6		
Q38	Most Important Duties	237	5.9		
	Occupation	237	3.8		3.0
Q39	Class of Worker	237	3.8		
Q40	Self Employed - Incorporated	11	81.8		
Q41	Work Language	237	4.2	10.1	
Q42	Place of Work	237	5.1	1.7	
Q43	Transportation to Work	229	4.4	0.4	
Q44	Weeks Worked	237	4.6		
Q45	Full Time or Part Time	212	4.2		

Table 22
NCT - Latin Americans in Montreal Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	251	6.0		
Q18	Race	475	0.4	1.1	
Q24	School Language	51	5.9	2.0	
Q29	Layoff	244	2.0		
Q30	New Job	244	2.0		
Q31	Look for Work	244	2.0	0.8	
Q32	Start Job	68	8.8		
Q33	Last Worked	244	2.0		
Q34	Employer	199	4.0		2.0
Q35	Type of Business	199	4.0		
	Industry	199	3.5		1.0
Q36	General Industry	199	4.0		
Q37	Kind of Work	199	3.5		
Q38	Most Important Duties	199	8.5		
	Occupation	199	3.5		5.0
Q39	Class of Worker	199	3.0		
Q40	Self Employed - Incorporated	19	36.8		
Q41	Work Language	199	3.5	8.5	
Q42	Place of Work	199	5.5	0.5	
Q43	Transportation to Work	192	3.1	1.6	
Q44	Weeks Worked	199	6.5	0.5	
Q45	Full Time or Part Time	178	5.6		

Table 23
NCT - Asians in Toronto Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	342	5.0		
Q15	Race	422	1.4	4.7	
Q24	School Language	62	11.3		
Q29	Layoff	268	3.7		
Q30	New Job	268	3.4		
Q31	Look for Work	268	3.7		
Q32	Start Job	26	34.6		
Q33	Last Worked	268	6.0		
Q34	Employer	162	27.8		
Q35	Type of Business	162	30.9		
	Industry	162	25.9		6.8
Q36	General Industry	162	30.2		
Q37	Kind of Work	162	27.8		
Q38	Most Important Duties	162	34.6		
	Occupation	162	27.2		8.0
Q39	Class of Worker	162	24.1		
Q40	Self Employed - Incorporated	64	54.7		
Q41	Work Language	162	25.3	1.2	
Q42	Place of Work	162	26.5	0.6	
Q43	Transportation to Work	137	27.0	2.2	
Q44	Weeks Worked	162	22.8		
Q45	Full Time or Part Time	145	22.8		

Table 24
NCT - Blacks in Toronto Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	506	6.5		
Q38	Race	722	1.0	2.4	
Q24	School Language	149	14.8		
Q29	Layoff	289	5.5		
Q30	New Job	289	5.9		
Q33	Look for Work	289	9.0		
Q38	Start Job	116	23.3	0.9	
Q33	Last Worked	289	4.8	0.3	
Q38	Employer	299	8.4		0.3
Q33	Type of Business	299	10.0		
	Industry	299	7.0		4.3
Q38	General Industry	299	7.4		
Q33	Kind of Work	299	10.4		
Q33	Most Important Duties	299	12.0		
	Occupation	299	10.0		2.3
Q39	Class of Worker	299	6.4		
Q40	Self Employed - Incorporated	28	71.4		
Q41	Work Language	299	10.7		
Q42	Place of Work	299	9.7		
Q43	Transportation to Work	270	7.0	1.5	
Q44	Weeks Worked	299	6.7		
Q45	Full Time or Part Time	260	7.3		

Table 25
NCT - Aboriginals in Winnipeg Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	147	7.5		
Q18	Race	634	2.1	2.4	
Q24	School Language	87	3.4		
Q29	Layoff	276	3.6		
Q30	New Job	276	2.9		
Q31	Look for Work	276	3.3		
Q32	Start Job	45	20.0		
Q33	Last Worked	276	3.6		
Q34	Employer	388	5.7		
Q35	Type of Business	388	7.2		
	Industry	388	5.4		2.1
Q36	General Industry	388	8.2		
Q37	Kind of Work	388	5.9		
Q38	Most Important Duties	388	8.5		
	Occupation	388	5.9		2.6
Q39	Class of Worker	388	6.2	0.3	
Q40	Self Employed - Incorporated	48	50.0		
Q41	Work Language	388	5.4		
Q42	Place of Work	388	7.2	0.3	
Q43	Transportation to Work	352	6.5		
Q44	Weeks Worked	388	6.7		
Q45	Full Time or Part Time	368	6.3		

Table 26
NCT - Metis in Winnipeg Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	42	4.8		
Q18	Race	324	2.5	1.5	
Q24	School Language	84	3.6		
Q29	Layoff	257	2.3		
Q30	New Job	257	2.3		
Q31	Look for Work	257	2.3	0.4	
Q32	Start Job	72	9.7		
Q33	Last Worked	257	2.7	0.4	
Q34	Employer	318	6.6		0.6
Q35	Type of Business	318	7.2		
	Industry	318	6.6		0.6
Q36	General Industry	318	9.4		
Q37	Kind of Work	318	8.5		
Q38	Most Important Duties	318	9.4		
	Occupation	318	8.5		0.9
Q39	Class of Worker	318	8.2		
Q40	Self Employed - Incorporated	33	69.7		
Q41	Work Language	318	6.9	1.6	
Q42	Place of Work	318	7.5	0.6	
Q43	Transportation to Work	297	7.4	1.3	
Q44	Weeks Worked	318	7.2		
Q45	Full Time or Part Time	298	8.1		

Table 27
NCT - Aboriginals in Regina Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	54	55.6		
Q15	Race	334	3.0	0.3	
Q24	School Language	62	19.4		
Q29	Layoff	293	7.5		
Q30	New Job	293	7.2		
Q31	Look for Work	293	7.2		
Q32	Start Job	59	40.7		
Q33	Last Worked	293	7.5	0.3	
Q34	Employer	206	12.6		
Q35	Type of Business	206	15.5		
	Industry	206	12.1		3.9
Q36	General Industry	206	14.1	0.5	
Q37	Kind of Work	206	14.6		
Q38	Most Important Duties	206	17.5		
	Occupation	206	14.6		2.9
Q39	Class of Worker	206	12.1	0.5	
Q40	Self Employed - Incorporated	37	73.0		
Q41	Work Language	206	12.1		
Q42	Place of Work	206	14.1	1.0	
Q43	Transportation to Work	192	13.5	0.5	
Q44	Weeks Worked	206	14.6	0.5	
Q45	Full Time or Part Time	196	13.8		

Table 28
NCT - Metis in Saskatoon Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	6	83.3		
Q18	Race	248	4.8	3.6	
Q24	School Language	97	4.1		
Q29	Layoff	212	5.7		
Q30	New Job	212	2.4		
Q33	Look for Work	212	2.4		
Q33	Start Job	50	12.0		
Q33	Last Worked	212	2.4		
Q33	Employer	267	10.1		0.7
Q33	Type of Business	267	13.5		
	Industry	267	10.1		3.4
Q33	General Industry	267	12.4	0.4	
Q33	Kind of Work	267	12.7		
Q38	Most Important Duties	267	15.4		
	Occupation	267	12.4		3.4
Q39	Class of Worker	267	12.0	1.1	
Q40	Self Employed - Incorporated	45	48.9		
Q41	Work Language	267	7.1	1.9	
Q42	Place of Work	267	10.5		
Q43	Transportation to Work	253	9.1	2.4	
Q44	Weeks Worked	267	9.0		
Q45	Full Time or Part Time	243	8.6	1.2	

Table 29
NCT - Aboriginals in Edmonton Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	108	16.7		
Q18	Race	486	3.3	1.6	
Q24	School Language	67	17.9		
Q29	Layoff	207	8.7		
Q30	New Job	207	7.7		
Q31	Look for Work	207	7.7		
Q32	Start Job	62	29.0		
Q33	Last Worked	207	7.2		
Q34	Employer	319	6.6		0.6
Q35	Type of Business	319	9.1		
	Industry	319	6.3		3.1
Q36	General Industry	319	8.5		
Q37	Kind of Work	319	8.2		
Q38	Most Important Duties	319	12.2		
	Occupation	319	7.8		4.7
Q39	Class of Worker	319	8.5		
Q40	Self Employed - Incorporated	43	51.2		
Q41	Work Language	319	6.6		
Q42	Place of Work	319	9.7	1.3	
Q43	Transportation to Work	286	8.4	0.3	
Q44	Weeks Worked	319	7.8		
Q45	Full Time or Part Time	297	6.4		

Table 30
NCT - Asians in Vancouver Sample
Unweighted Potential Response Rates

Step / Question Number	Step / Question Name	In Scope (# Records)	Non- Response (%)	Multiple Response (%)	Partial Response (%)
Q15	Year of Immigration	757	8.5		
Q18	Race	1090	1.9	2.5	
Q24	School Language	186	4.3	1.6	
Q29	Layoff	442	3.8		
Q30	New Job	442	3.2		
Q31	Look for Work	442	3.8		
Q32	Start Job	85	20.0		
Q33	Last Worked	442	4.8		
Q34	Employer	603	10.9		0.7
Q35	Type of Business	603	13.3		
	Industry	603	9.0		6.3
Q36	General Industry	603	12.4	1.2	
Q37	Kind of Work	603	11.8		
Q38	Most Important Duties	603	16.9		
	Occupation	603	11.8		5.1
Q39	Class of Worker	603	10.0		
Q40	Self Employed - Incorporated	117	47.0		
Q41	Work Language	603	9.3	6.1	
Q42	Place of Work	603	15.6	1.3	
Q43	Transportation to Work	480	11.3	1.0	
Q44	Weeks Worked	603	11.3		
Q45	Full Time or Part Time	551	10.9		

BIBLIOGRAPHY

1. Béland, Y. (1993). *MEMO: Field Follow-up 1996 Census*, SSMD, Statistics Canada
2. Pérez, C. (1993) *Edit Sample Study (Part I) of the 1991 Census of Population*, SSMD, Statistics Canada
3. Pérez, C. (1993) *Edit Sample Study (Part II) of the 1991 Census of Population*, SSMD, Statistics Canada
4. Thériberge, A. (1989) *NCT Report #7: Response Rate Sample Study*, SSMD, Statistics Canada

1010193044

[illegible]

